Name: Wuxi Institute of Inspection, Testing and Certification(Wuxi Institute of Metrology and Testing/Wuxi Center of Fiber Inspection)

Address: No.5, Xinhua Road, Xinwu District, Wuxi, Jiangsu, China

Registration No. CNAS L0260

Accreditation Criteria: ISO/IEC 17025:2017 and relevant requirements of CNAS

Effective Date: 2023-06-19 Expiry Date：2028-09-16

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
1、Photovoltaic cell and module						
1	Photovoltaic	1	Salt Mist Corrosion Testing	《Salt Mist Corrosion Testing of Photovoltaic (PV) Modules》 GB/T 18912-2002		2022-06-28
				《Salt mist corrosion testing of photovoltaic modules》 IEC 61701-2011	Except for concentrator photovoltaic modules	2022-06-28
				《Salt Mist Corrosion Testing of Photovoltaic (PV) Modules》 IEC 61701:1995		2022-06-28
		2	UV Test	《UV Test for Photovoltaic (PV) Modules》 GB/T 19394-2003		2022-06-28
				《UV Test for Photovoltaic (PV) Modules》 IEC 61345:1998		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	sulfur dioxide corrosion	《Metallic and other non-organic coatings-Sulfur dioxide test with general condensation of moisture》 DIN EN ISO 6988：1997		2022-06-28
				《Metallic and other non-organic coatings-Sulfur dioxide test with general condensation of moisture》 GB/T 9789-2008		2022-06-28
				《Metallic and other non-organic coatings-Sulfur dioxide test with general condensation of moisture》 ISO 6988:1985		2022-06-28
				《Enviromental testing -Part2:Test method-Test Kca:High concentration sulfur dioxide》 GB/T 2423.33-2021		2022-06-28
		4	Irradiance and temperature performance measurements	《Photovoltaic (PV) module performance testing and energy rating-Part1: Irradiance and temperature performance measurements and power rating》 IEC 61853-1-2011 条款 8.5	Accredited only for procedure with a solar simulator	2022-06-28
		5	Ammonia corrosion testing	《Photovoltaic (PV) modules- Ammonia corrosion testing IEC 62716:2013		2022-06-28
2	Photovoltaic devices	1	Measurement of photovoltaic current-voltage characterics	《Photovoltaic devices Part 1:Measurement of photovoltaic current-voltage characteristics》 GB/T 6495.1-1996		2022-06-28
				《Photovoltaic devices - Part 1: Measurement of photovoltaic current-voltage characteristics》 IEC 60904-1:2006		2022-06-28
		2	equivalent cell temperature (ECT)	《Photovoltaic devices Part 5:Determination of the equivalent cell temperature(ECT) of photovoltaic(PV) devices by the opencircuit voltage method》 GB/T 6495.5-1997		2022-06-28
		3	spectral response	《Photovoltaic devices - Part8:Measurement of spectral response of a photovoltaic(PV) device》 GB/T 6495.8-2002		2022-06-28
				《Photovoltaic devices - Part8:Measurement of spectral response of a photovoltaic(PV) device》 IEC 60904-8:2014 条款 7	Except pulsed light mesuremen	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					t method,except series-connected modules	
		4	temperature coefficients	《Photovoltaic devices - Procedures for temperature and irradiance corrections to measured I-V characteristics》 IEC 60891-2009		2022-06-28
3	Crystalline silicon photovoltaic (PV) array	1	Crystalline silicon photovoltaic (PV) array-On-site measurement of I-V characteristics	《Crystalline silicon photovoltaic (PV) array-On-site measurement of I-V characteristics》 GB/T 18210-2000		2022-06-28
4	crystalline silicon terrestrial solar cells	1	Visual	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.1.5		2022-06-28
		2	Visual of rear aluminum film	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.1.2.2		2022-06-28
		3	Dimension	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.1.4		2022-06-28
		4	Integrity of the electrode pattern	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.1.1.1		2022-06-28
		5	Electrode color	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.1.1.2		2022-06-28
		6	Bend	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.2.1		2022-06-28
		7	Crack hidden battery	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.2.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.3.1		2022-06-28
		9	Temperature Coefficients of electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.3.2		2022-06-28
		10	The initial maximum power of the battery light attenuation ratio	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.3.3		2022-06-28
		11	Attachment of antireflection film	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.1.3		2022-06-28
		12	Electrode weldability	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.1.1.3		2022-06-28
		13	Electrode anhesion strength and tensile strength between the electrode and solder jiont	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.2.2		2022-06-28
		14	Thermal cycling Test	《General specification of crystalline silicon terrestrial solar cells》 GB/T 29195-2012 条款 5.4		2022-06-28
5	Photovoltaic(PV) module	1	Creepage and clearance distances	《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 IEC 61730-1:2004+AMD1:2011+AMD2:2013 CSV 条款 9		2022-06-28
		2	visual inspection	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.1		2022-06-28
		3	Accessibility test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				CSV 条款 10.2		
		4	Cut Susceptibility Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.3		2022-06-28
		5	Ground continuity test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.4		2022-06-28
		6	Impulse voltage test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.5		2022-06-28
		7	Insulation Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.6		2022-06-28
		8	Temperature Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.7		2022-06-28
		9	Reverse current overload Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.9		2022-06-28
		10	Module Breakage Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 10.1		2022-06-28
		11	Partial discharge test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 11.1		2022-06-28
		12	Conduit bendingtest	《Photovoltaic (PV) module safety qualification - Part 2:		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 11.2		
		13	Terminal box knockout tests	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2004+AMD1:2011 CSV 条款 11.3		2022-06-28
		14	Creepage and clearance distances	《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 GB/T 20047.1-2006 条款 9		2022-06-28
6	Crystalline silicon terrestrial photovoltaic (PV) modules	1	visual inspection	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.1		2022-06-28
		2	Performance at STC	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.2		2022-06-28
		3	Insulation Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.3		2022-06-28
		4	Measurement of Temperature Coefficients	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.4		2022-06-28
		5	Measurement of NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.5		2022-06-28
		6	Performance at NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.6		2022-06-28
		7	Performance at low irradiance	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				款 10.7		
		8	Outdoor Exposure Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.8		2022-06-28
		9	Hot Spot Endurance Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.9		2022-06-28
		10	UV Precondition Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.1		2022-06-28
		11	Thermal cycling Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.11		2022-06-28
		12	Humidity-freeze test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.12		2022-06-28
		13	Damp-heat test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.13		2022-06-28
		14	Robustness of terminations test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.14		2022-06-28
		15	Twist test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.15		2022-06-28
		16	Mechanical load test	《Crystalline silicon terrestrial photovoltaic (PV) modules -		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				design qualification and type approval》 GB/T 9535-1998 条款 10.16		
		17	Hail Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - design qualification and type approval》 GB/T 9535-1998 条款 10.17		2022-06-28
7	Crystalline silicon terrestrial photovoltaic (PV) modules	1	visual inspection	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.1		2022-06-28
		2	Maximum Power Determination	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.2		2022-06-28
		3	Insulation Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.3		2022-06-28
		4	Measurement of Temperature Coefficients	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.4		2022-06-28
		5	Measurement of NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.5		2022-06-28
		6	Performance at STC and NOCT	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.6		2022-06-28
		7	Performance at low irradiance	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.7		2022-06-28
		8	Outdoor Exposure Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				10.8		
		9	Hot Spot Endurance Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.9		2022-06-28
		10	UV Precondition Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.1		2022-06-28
		11	Thermal cycling Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.11		2022-06-28
		12	Humidity-freeze test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.12		2022-06-28
		13	Damp-heat test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.13		2022-06-28
		14	Robustness of terminations test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.14		2022-06-28
		15	Wet leakage current test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.15		2022-06-28
		16	Mechanical load test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.16		2022-06-28
		17	Hail Test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				10.17		
		18	Bypass diode thermal test	《Crystalline silicon terrestrial photovoltaic (PV) modules - Design qualification and type approval》 IEC 61215:2005 条款 10.18		2022-06-28
8	Thin-film terrestrial photovoltaic (PV) modules	1	visual inspection	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.1		2022-06-28
		2	Performance at STC	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.2		2022-06-28
		3	Insulation Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.3		2022-06-28
		4	Measurement of Temperature Coefficients	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.4		2022-06-28
		5	Measurement of NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.5		2022-06-28
		6	Performance at NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.6		2022-06-28
		7	Performance at low irradiance	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.7		2022-06-28
		8	Outdoor Exposure Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Hot Spot Endurance Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.9		2022-06-28
		10	UV Precondition Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.1		2022-06-28
		11	Thermal cycling Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.11		2022-06-28
		12	Humidity-freeze test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.12		2022-06-28
		13	Damp-heat test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.13		2022-06-28
		14	Robustness of terminations test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.14		2022-06-28
		15	Twist test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.15		2022-06-28
		16	Mechanical load test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.16		2022-06-28
		17	Hail Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.17		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	light-soaking	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.18		2022-06-28
		19	Annealing test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.19		2022-06-28
		20	Wet leakage current test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval》 GB/T 18911-2002 条款 10.2		2022-06-28
9	Thin-film terrestrial photovoltaic (PV) modules	1	visual inspection	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.1		2022-06-28
		2	Maximum Power Determination	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.2		2022-06-28
		3	Insulation Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.3		2022-06-28
		4	Measurement of Temperature Coefficients	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.4		2022-06-28
		5	Measurement of NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.5		2022-06-28
		6	Performance at STC and NOCT	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Performance at low irradiance	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.7		2022-06-28
		8	Outdoor Exposure Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.8		2022-06-28
		9	Hot Spot Endurance Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.9		2022-06-28
		10	UV Precondition Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.1		2022-06-28
		11	Thermal cycling Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.11		2022-06-28
		12	Humidity-freeze test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.12		2022-06-28
		13	Damp-heat test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.13		2022-06-28
		14	Robustness of terminations test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.14		2022-06-28
		15	Wet leakage current test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.15		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Mechanical load test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.16		2022-06-28
		17	Hail Test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.17		2022-06-28
		18	Bypass diode thermal test	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.18		2022-06-28
		19	light-soaking	《Thin-film terrestrial photovoltaic (PV) modules -Design qualification and type approval Modules》 IEC 61646:2008 条款 10.19		2022-06-28
10	Terrestrial photovoltaic (PV) modules	1	visual inspection	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.1		2022-06-28
		2	Maximum Power Determination	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.2		2022-06-28
		3	Insulation Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.3		2022-06-28
		4	Measurement of Temperature Coefficients	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.4		2022-06-28
		5	Measurement of NMOT	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Performance at STC and NMOT	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.6		2022-06-28
		7	Performance at low irradiance	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.7		2022-06-28
		8	Outdoor Exposure Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.8		2022-06-28
		9	Hot Spot Endurance Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.9		2022-06-28
		10	UV Precondition Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.1		2022-06-28
		11	Thermal cycling Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.11		2022-06-28
		12	Humidity-freeze test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.12		2022-06-28
		13	Damp-heat test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.13		2022-06-28
		14	Robustness of terminations test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.14		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		15	Wet leakage current test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.15		2022-06-28
		16	Mechanical load test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.16		2022-06-28
		17	Hail Test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.17		2022-06-28
		18	Bypass diode thermal test	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.18		2022-06-28
		19	Stabilization	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part2：Test procedures》 IEC 61215-2-2016 条款 4.19		2022-06-28
11	Flat-Plate Photovoltaic Modules and Panels	1	Temperature test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 19		2022-06-28
		2	Voltage,Current and Power Measurements Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 20		2022-06-28
		3	Leakage Current Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 21		2022-06-28
		4	Strain Relief Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 22		2022-06-28
		5	Push Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 23		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Cut Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 24		2022-06-28
		7	Bonding Path Resistance Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 25		2022-06-28
		8	Dielectric Voltage-Withstand Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 26		2022-06-28
		9	Wet Insulation-Resistance Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 27		2022-06-28
		10	Reverse Current Overload Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 28		2022-06-28
		11	Terminal Torque Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 29		2022-06-28
		12	Impact test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 30		2022-06-28
		13	Water Spray Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 33		2022-06-28
		14	Accelerated aging Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 34		2022-06-28
		15	Temperature Cycling Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 35		2022-06-28
		16	Humidity Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 36		2022-06-28
		17	Corrosive Atmosphere Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 37		2022-06-28
		18	Metallic Coating Thickness Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 38		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		19	Hot-Spot Endurance Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 39		2022-06-28
		20	Arcing Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 40		2022-06-28
		21	Mechanical load test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 41		2022-06-28
		22	Wiring Compartment Securement Test	《Flat-Plate Photovoltaic Modules and Panels》 UL 1703-2002 条款 42		2022-06-28
12	Photovoltaic (PV) modules	1	Insulation coordination	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 IEC 61730-1:2016 条款 5.6.3		2022-06-28
		2	Distance through insulation(dti)	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 IEC 61730-1:2016 条款 5.6.4		2022-06-28
		3	Visual	《Photovoltaic (PV) modules safety qualification -Part2: Requirements for testing》 IEC 61730-2:2016 条款 10.2		2022-06-28
		4	Visual of rear aluminum film	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.3		2022-06-28
		5	Dimension	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.4		2022-06-28
		6	Integrity of the electrode pattern	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.5		2022-06-28
		7	Electrode color	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.6		2022-06-28
		8	Bend	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.7		2022-06-28
		9	Crack hidden battery	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.8		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.9		2022-06-28
		11	Temperature Coefficients of electrical parameters	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.10		2022-06-28
		12	The initial maximum power of the battery light attenuation ratio	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.11		2022-06-28
		13	Attachment of antireflection film	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.12		2022-06-28
		14	Electrode weldability	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.13		2022-06-28
		15	Electrode anhesion strength and tensile strength between the electrode and solder jiont	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.14		2022-06-28
		16	Thermal cycling Test	《General specification of crystalline silicon terrestrial solar cells》 IEC 61730-2:2016 条款 10.15		2022-06-28
		17	Outdoor exposure test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.16		2022-06-28
		18	Shipping vibration test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.18		2022-06-28
		19	Shock test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				条款 10.19		
		20	UV test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.20		2022-06-28
		21	Thermal cycling test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.21		2022-06-28
		22	Humidity-freeze test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.22		2022-06-28
		23	Damp heat test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.23		2022-06-28
		24	Robustness of teminals test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.24		2022-06-28
		25	Damp heat,cyclic test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 61730-2:2016 条款 10.25		2022-06-28
		26	Creepage and clearance distances	《Photovoltaic(PV) module safety qualification - Part 1:Requirements for construction》 IEC 61730-2:2016 条款 10.26		2022-06-28
		27	visual inspection	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 条款 10.27		2022-06-28
		28	Accessibility test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 条款 10.28		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		29	Cut Susceptibility Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 条款 10.29		2022-06-28
		30	Ground continuity test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 条款 10.30		2022-06-28
		31	Impulse voltage test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 条款 10.31		2022-06-28
		32	Insulation Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 条款 10.32		2022-06-28
		33	Temperature Test	《Photovoltaic (PV) module safety qualification - Part 2: Requirements for testing》 IEC 61730-2:2016 条款 10.33		2022-06-28
		34	Test methods for the detection of potential-induced degradation	《Photovoltaic (PV) modules -Test methods for the detection of potential-induced degradation -Part1: Crystalline silicon》 IEC TS 62804-1:2015		2022-06-28
		35	Cyclic(dynamic) mechanical load testing	《Photovoltaic (PV) modules -Cyclic(dynamic) mechanical load testing》 IEC TS 62782:2016		2022-06-28
13	Terrestrial photovaltaic（PV）modules	1	conversion efficiency	《Test method of conversion efficiency of terrestrial photovoltaic (PV) modules》 GB/T 34160-2017 5		2022-06-28
14	Crystalline silicon solar cell	1	initial light-induced degradation	《Photovoltaic devices- Part11: Test method of initial light-induced degradation of crystalline silicon solar cell》 GB/T 6495.11-2016 4		2022-06-28
15	Terrestrial photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part1：Test requirements 》 IEC 61215-1-2016		2022-06-28
16	crystalline silicon		All Parameters	《Terrestrial photovoltaic (PV) modules-design qualification and		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	photovoltaic(PV)modules			type approval-Part1-1：Special requirements for testing of crystalline silicon photovoltaic(PV)modules 》 IEC 61215-1-1-2016		
17	thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules》 IEC 61215-1-2-2016		2022-06-28
18	thin-film amorphous silicon based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules》 IEC 61215-1-3-2016		2022-06-28
19	thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) modules		All Parameters	《Terrestrial photovoltaic (PV) modules – Design qualification and type approval – Part 1-4: Special requirements for testing of thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) moduless》 IEC 61215-1-4-2016		2022-06-28
20	Photovoltaic (PV) modules		All Parameters	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 IEC 61730-1:2016		2022-06-28
21	Photovoltaic (PV) modules		All Parameters	《Photovoltaic (PV) modules safety qualification -Part1: Requirements for construction》 61730-1:2004+A1:2011+A2:2013		2022-06-28
22	Photovoltaic devices	1	bifacial photovoltaic (PV)decices	Photovoltaic devices -Part1-2:Measurement of current-voltage characteristics of bifacial photovoltaic (PV)decices IEC TS 60904-1-2：2019		2022-06-28
		2	electroluminescence	Photovoltaic devices -Part13:Electroluminescence of photovoltaic modules IEC TS 60904-13：2018		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	light-induded degradation of crystalline	Photovoltaic cells-Part1:Measurement of light-induced degradation of crystalline silicon photovoltaic cells IEC 63202-1:2019		2022-06-28
23	Photovoltaic modules	1	module operating temperature	Photovoltaic (PV) module performance testing and energy rating Part2:Spectral responsivity,incidence angle and module operating temperature measurements IEC 61853-2：2016 8		2022-06-28
		2	Spectral responsivity	Photovoltaic (PV) module performance testing and energy rating Part2:Spectral responsivity,incidence angle and module operating temperature measurements IEC 61853-2：2016 6		2022-06-28
		3	incidence angle	Photovoltaic (PV) module performance testing and energy rating Part2:Spectral responsivity,incidence angle and module operating temperature measurements IEC 61853-2：2016 7		2022-06-28
		4	Salt mist,cyclic (sodium chloride solution)	Environmental testing-Part2-52:Tests-Test Kb:Salt mist,cyclic (sodium chloride solution) IEC 60068-2-52:2017		2022-06-28
24	Photovoltaic modules		All Parameters	Extended thermal cycling of PV modules-Test procedure IEC 62892:2019		2022-06-28
25	Photovoltaic modules		Part of Parameters	Photovoltaic (PV) modules-Salt mist corrosion testing IEC 61701:2020	Except for concentrator photovoltaic (CPV) modules	2022-06-28
26	Photovoltaic modules		All Parameters	Photovoltaic (PV) modules -Test methods for the detection of potential-induced degradation-Part 1-1:Crystalline silicon-Delamination IEC TS 62804-1-1:2020		2022-06-28
27	Photovoltaic modules		All Parameters	conversion efficiency testing and rating method of photovoltaic modules CQC3309-2014		2022-06-28
28	Photovoltaic modules		Part of Parameters	Guidelines for qualifying PV modules,components and materials for operation at high temperatures IEC TS 63126:2020	Except for component	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					s and materials	
29	Terrestrial photovoltaic (PV) modules		All Parameters	Terrestrial photovoltaic (PV) modules – Design qualification and type approval –Part 1: Test requirements IEC 61215-1:2021		2022-06-28
30	Terrestrial photovoltaic (PV) modules		All Parameters	Terrestrial photovoltaic (PV) modules – Design qualification and type approval –Part 2: Test procedures IEC 61215-2:2021		2022-06-28
31	Crystalline silicon photovoltaic (PV) modules		All Parameters	Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-1: Special requirements for testing of Crystalline silicon photovoltaic (PV) modules IEC 61215-1-1:2021		2022-06-28
32	thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules		All Parameters	Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-2: Special requirements for testing of thin-film Cadmium Telluride (CdTe) based photovoltaic (PV) modules IEC 61215-1-2:2021		2022-06-28
33	thin-film amorphous silicon based photovoltaic (PV) modules		All Parameters	Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-3: Special requirements for testing of thin-film amorphous silicon based photovoltaic (PV) modules IEC 61215-1-3:2021		2022-06-28
34	thin-film Cu(In,Ga)(S,Se)2 based photovoltaic (PV) modules		All Parameters	Terrestrial photovoltaic (PV) modules-design qualification and type approval-Part 1-4: Special requirements for testing of thin-film $Cu(In,Ga)(S,Se)_2$ based photovoltaic (PV) modules IEC 61215-1-4:2021		2022-06-28
35	Photovoltaic modules		All Parameters	Photovoltaic (PV) modules – Non-uniform snow load testing IEC 62938:2020		2022-06-28

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		№	Item/ Parameter			
36	Photovoltaic modules		All Parameters	Photovoltaic modules – Expansioned-stress test ing – Part 1: Modules IEC TS 63209-1:2021		2022-06-28
37	Terrestrial photovoltaic (PV) modules for consumer products		All Parameters	Terrestrial photovoltaic (PV) modules for consumer products – Design qualification and type approval IEC TS 63163:2021		2022-06-28
38	Photovoltaic devices	1	photovoltaic current-voltage cha racteristics	Photovoltaic devices – Part 1: Meas urement of photovoltaic current-voltage cha racteristics IEC 60904-1:2020		2022-06-28
2、PV components						
1	Junction Boxes For PV Modules	1	Durability of marking	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.2		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.2		2022-06-28
		2	Resistance to corrosion	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.7		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.7		2022-06-28
		3	Flammability class	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.12		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.12		2022-06-28
		4	Weatherresistance test	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.11		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.11		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Glow wire test	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.14		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.14		2022-06-28
		6	Ball pressure test	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.13		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.13		2022-06-28
		7	Resistanceagainst ageing	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.15		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.15		2022-06-28
		8	Protection againstelectric shock	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.4.1		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.4.1		2022-06-28
		9	Clearances andcreepagedistances	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.5		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.5		2022-06-28
		10	Wall thickness	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 4.8.2		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 4.8.2		2022-06-28
		11	Terminations andconnectionmethods	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.19		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.19		2022-06-28
		12	Knock-out inlets(outlets)	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.20		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.20		2022-06-28
		13	Cord anchorage	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.21		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.21		2022-06-28
		14	Mechanicalstrength at lowertemperatures	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.8		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.8		2022-06-28
		15	Fixing of lid	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.3		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.3		2022-06-28
		16	Retention on themounting surface	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.22		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.22		2022-06-28
		17	Degree ofprotection	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.4.2		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.4.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Dielectric strength	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.6		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.6		2022-06-28
		19	Wet leakagecurrent test	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.16		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.16		2022-06-28
		20	Thermal cycletest	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.9		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.9		2022-06-28
		21	Damp heat	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.10		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.10		2022-06-28
		22	Humidity-freezetest	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.17		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.17		2022-06-28
		23	Bypass diodethermal test	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.18		2022-06-28
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.18		2022-06-28
		24	Reverse currenttest at junctionbox	《Junction Boxes For PV Modules》 EN 50548：2011+A1:2013 条款 5.3.23		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《Junction Boxes For PV Modules》 BS EN 50548：2011 条款 5.3.23		2022-06-28
2	Junction Boxes For PV Modules	1	thickness	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 4.7.2		2022-06-28
		2	Basic structure	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 4.7.5		2022-06-28
		3	Marking	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.2		2022-06-28
		4	fixed plate	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.3		2022-06-28
		5	Electrical safety protection	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.4		2022-06-28
		6	Creepage distances and clearances	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.5		2022-06-28
		7	Dielectricstrength	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.6		2022-06-28
		8	Corrosiontest	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.7		2022-06-28
		9	Mechanical strength at lower	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			temperatures	5.3.8		
		10	Thermalcycle test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.9		2022-06-28
		11	Damp heat	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.10		2022-06-28
		12	Weatherresistance	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.11		2022-06-28
		13	Flammability	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.12		2022-06-28
		14	heat resistance	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.13		2022-06-28
		15	Glow wire test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.14		2022-06-28
		16	Resistanceagainst ageing	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.15		2022-06-28
		17	Wet leakagecurrent test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.16		2022-06-28
		18	Humidity-freezetest	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				5.3.17		
		19	Bypass diodethermal test	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.18		2022-06-28
		20	interface and connection method	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.19		2022-06-28
		21	Knock-out inlets(outlets)	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.20		2022-06-28
		22	Cord anchorage	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.21		2022-06-28
		23	Retention on themounting surface	《Technical specifications of main parts for terrestrialsolar cell modules- Part 1：Junction box》 CGC/GF 002.1:2009 条款 5.3.22		2022-06-28
3	Junction Boxes For PV Modules	1	Durability of marking	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.2		2022-06-28
		2	Resistance to corrosion	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.7		2022-06-28
		3	Flammability class	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.12		2022-06-28
		4	Weatherresistance test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.11		2022-06-28
		5	Glow wire test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.14		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Glow wire test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.14		2022-06-28
		7	Ball pressure test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.13		2022-06-28
		8	Resistanceagainst ageing	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.15		2022-06-28
		9	Protection againstelectric shock	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.4.1		2022-06-28
		10	Clearances andcreepagedistances	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.5		2022-06-28
		11	Wall thickness	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 4.8.2		2022-06-28
		12	Terminations andconnectionmethods	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.19		2022-06-28
		13	Knock-out inlets(outlets)	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.20		2022-06-28
		14	Cord anchorage	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.21		2022-06-28
		15	Mechanicalstrength at lowertemperatures	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.8		2022-06-28
		16	Fixing of lid	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.3		2022-06-28
		17	Retention on themounting surface	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.22		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Degree ofprotection	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.4.2		2022-06-28
		19	Dielectric strength	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.6		2022-06-28
		20	Wet leakagecurrent test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.16		2022-06-28
		21	Thermal cycletest	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.9		2022-06-28
		22	Damp heat	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.10		2022-06-28
		23	Humidity-freezetest	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.17		2022-06-28
		24	Bypass diodethermal test	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.18		2022-06-28
		25	Reverse currenttest at junctionbox	《Junction Box For PV Modules》 DIN V VDE V 0126-5-2008 条款 5.3.23		2022-06-28
4	Junction Boxes For PV Modules	1	Durability of marking	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.2		2022-06-28
		2	Resistance to corrosion	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.7		2022-06-28
		3	Flammability class	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.12		2022-06-28
		4	Weatherresistance test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.11		2022-06-28
		5	Glow wire test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.14		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Ball pressure test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.13		2022-06-28
		7	Resistanceagainst ageing	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.15		2022-06-28
		8	Protection againstelectric shock	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.4.1		2022-06-28
		9	Clearances andcreepagedistances	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.5		2022-06-28
		10	Wall thickness	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 4.8.2		2022-06-28
		11	Terminations andconnectionmethods	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.19		2022-06-28
		12	Knock-out inlets(outlets)	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.20		2022-06-28
		13	Cord anchorage	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.21		2022-06-28
		14	Mechanicalstrength at lowertemperatures	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.8		2022-06-28
		15	Fixing of lid	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.3		2022-06-28
		16	Retention on themounting surface	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.22		2022-06-28
		17	Degree ofprotection	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.4.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Dielectric strength	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.6		2022-06-28
		19	Wet leakagecurrent test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.16		2022-06-28
		20	Thermal cycletest	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.9		2022-06-28
		21	Damp heat	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.10		2022-06-28
		22	Humidity-freezetest	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.17		2022-06-28
		23	Bypass diodethermal test	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.18		2022-06-28
		24	Reverse currenttest at junctionbox	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 5.3.23		2022-06-28
		25	Initial measurement（Contact resistance）	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 Table 12E1		2022-06-28
		26	Finalmeasurement（Contact resistance）	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 Table 12E6		2022-06-28
		27	Qualification of conformal coatings for protection against pollution	《Junction boxes for photovoltaic modules – Safety requirements and tests》 IEC 62790 Edition 1.0 2014-11 条款 Annex B		2022-06-28
5	Connectors for photovoltaic systems	1	Marking and identification	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 5.2		2022-06-28
				《connectors for photovoltaic systems. safety requirements and		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				tests》 DIN V VDE V 0126-3-2009 条款 5.2		
		2	Provision against incorrect mating	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 5.3		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 5.3		2022-06-28
		3	Terminations and connection methods	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 5.5		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 5.5		2022-06-28
		4	Contactretention ininsert	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 5.15.2		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 5.15.2		2022-06-28
		5	Cable anchorage	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 5.14		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 5.14		2022-06-28
		6	Mechanical strength	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.5		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.5		2022-06-28
		7	Mechanical strength at lower temperatures	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.10		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.10		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Insertion and withdrawal force	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.13		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.13		2022-06-28
		9	Effectiveness of connector coupling device	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.14		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.14		2022-06-28
		10	Initialmeasurement	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.5		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.5		2022-06-28
		11	Mechanicaloperation	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.5		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.5		2022-06-28
		12	Finalmeasurement	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.5		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.5		2022-06-28
		13	Bending test	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.6		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.6		2022-06-28
		14	Temperaturerise test	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.4		2022-06-28
		15	Dry heat	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.5		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.5		2022-06-28
		16	Thermalcycle test	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.11		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.11		2022-06-28
		17	Damp heat	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.12		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.12		2022-06-28
		18	Dielectricstrength	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.8		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.8		2022-06-28
		19	Corrosiontest	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.9		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.9		2022-06-28
		20	Degree ofprotection	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.3.3		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.3.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		21	Weatherresistance	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 6.5		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 6.5		2022-06-28
		22	Flammability	《Connectors for photovoltaic systems-Safety requirements and tests 》 EN 50521:2008 条款 5.20		2022-06-28
				《connectors for photovoltaic systems. safety requirements and tests》 DIN V VDE V 0126-3-2009 条款 5.20		2022-06-28
6	Connectors for DC-application in photovoltaic systems	1	Identification	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 5.2		2022-06-28
		2	marking	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.2		2022-06-28
		3	Polarisation	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 5.3		2022-06-28
		4	Creepage distances and clearances	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.7		2022-06-28
		5	Terminations and connection methods	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.15		2022-06-28
		6	Contactretention ininsert	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 5.15.2		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Cable anchorage	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 5.14		2022-06-28
		8	Mechanical strength	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 Table 6A7		2022-06-28
		9	Mechanical strength at lower temperatures	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.10		2022-06-28
		10	Insertion and withdrawal force	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.13		2022-06-28
		11	Effectiveness of connector coupling device	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.14		2022-06-28
		12	Initialmeasurement	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 Table 6 B1、D1、E1		2022-06-28
		13	Mechanicaloperation	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.5		2022-06-28
		14	Finalmeasurement	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 Table 6 B3、C2、D4、E6		2022-06-28
		15	Bending test	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Temperaturerise test	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.4		2022-06-28
		17	Dry heat	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 Table 6D3		2022-06-28
		18	Thermalcycle test	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.11		2022-06-28
		19	Damp heat	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.12		2022-06-28
		20	Dielectricstrength	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.8		2022-06-28
		21	Corrosiontest	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.9		2022-06-28
		22	protection against eletric shock	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 6.3.3		2022-06-28
		23	Weatherresistance	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 Table 6G1		2022-06-28
		24	Flammability	《Connectors for DC-application in photovoltaic systems – Safety requirements and tests》 IEC 62852 Edition 1.0 2014-11 条款 Table 6G4、G3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
7	Connector	1	identification	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 5.2		2022-06-28
		2	Provision against incorrect mating	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 5.3		2022-06-28
		3	tensile strength	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 5.14		2022-06-28
		4	Mechanical strength at lower temperatures	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.10		2022-06-28
		5	Insertion and withdrawal force	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.13		2022-06-28
		6	Effectiveness of connector coupling device	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.14		2022-06-28
		7	Mechanicaloperation	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.5		2022-06-28
		8	Bending test	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.6		2022-06-28
		9	Temperaturerise test	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Thermalcycle test	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.11		2022-06-28
		11	Damp heat	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.12		2022-06-28
		12	Dielectricstrength	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.8		2022-06-28
		13	Corrosiontest	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.9		2022-06-28
		14	protection against electric shock	《Technical specifications of selected materials.of main parts for terrestrial solar cell modules- Part 2：Connector》 CGC/GF 021：2012 条款 6.3.3		2022-06-28
8	DC connector for terrestrial photovoltaic systems	1	visual inspection	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part2：General examination,electrical continuity and contact resistance tests and voltage stress tests 》 GB/T5095.2-1997 1&2		2022-06-28
		2	Initial measurement	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part2：General examination,electrical continuity and contact resistance tests and voltage stress tests 》 GB/T5095.2-1997 4		2022-06-28
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 B1		2022-06-28
		3	bending test	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Dry heat	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part 6:Climatic tests and soldering tests》 GB/T5095.6-1997 9		2022-06-28
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 D3		2022-06-28
		5	Dielectric strength	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.8b)		2022-06-28
		6	Mechanical operation	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part5: Impact tests(free components),static load tests(fixed components),endurance tests and overload tests》 GB/T5095.5-1997 6		2022-06-28
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.3		2022-06-28
		7	Terminations	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part8:connector tests(mechnical)and mechanical tests on contacts and terminations》 GB/T5095.8-1997 3.4		2022-06-28
		8	Cable clamp	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.12		2022-06-28
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part9：Miscellancous tests》 GB/T5095.9-1997 3&4		2022-06-28
		9	Mechanical strength	《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part5: Impact tests(free components),static load tests(fixed components),endurance tests and overload tests》 GB/T5095.5-1997 2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 A7		2022-06-28
		10	Durability of marking	《Environmental testing for electric and electronic products-Part 2：Test methods-Test Xb：Abrasion of markings and letterings caused by rubbing of fingers and hands》 GB/T2423.53-2005 8		2022-06-28
				《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.2		2022-06-28
		11	Mechanical strength at lower temperature	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.6		2022-06-28
		12	Temperature rise test	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.11		2022-06-28
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part3:Current-carrying capacity tests》 GB/T5095.3-1997 1		2022-06-28
		13	Corrosion test	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.13.3		2022-06-28
		14	Weather resistance	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.9.3		2022-06-28
				《Plastics-methods of exposure to laboratorty light sources part 2:Xenon-arc sources 》 GB/T16422.2-2014 7		2022-06-28
		15	Degree of protection	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.3		2022-06-28
		16	Contact retention in insert	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.1		2022-06-28
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part8:connector tests(mechnical)and mechanical tests on contacts and terminations》 GB/T5095.8-1997 2.1		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		17	Polarisation	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.4		2022-06-28
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part7：Mechanical operating tests and sealing tests》 GB/T5095.7-1997 5		2022-06-28
		18	Effectives of connector coupling device	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.2		2022-06-28
				《Electromechanical components for electronic equipment basic testing procedures and measuring methods Part8:connector tests(mechnical)and mechanical tests on contacts and terminations》 GB/T5095.8-1997 2.6		2022-06-28
		19	change of temperature	《DC connector for terreatrial photovoltaic systems》 GB/T33765-2017 5.5.2		2022-06-28
				《Environmental testing -Part2:Test methods-Test N:change of temperature》 GB/T2423.22-2012 7.2		2022-06-28
9	Photovoltaic (PV) stand alone systems	1	wiring	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 8.3		2022-06-28
		2	testing conditions	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.1		2022-06-28
		3	initial capacity test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.2		2022-06-28
		4	battery charge cycle	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.3		2022-06-28
		5	system functional test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.4		2022-06-28
		6	second capacity test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	recovery test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.6		2022-06-28
		8	final capacity test	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.7		2022-06-28
		9	operation at maximum voltage	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 16.8		2022-06-28
		10	testing conditions,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.1		2022-06-28
		11	initial capacity test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.2		2022-06-28
		12	battery charge cycle,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.3		2022-06-28
		13	system functional test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.4		2022-06-28
		14	second capacity test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.5		2022-06-28
		15	recovery test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.6		2022-06-28
		16	final capacity test,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.7		2022-06-28
		17	operation at maximum voltage,out door	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 14.8		2022-06-28
		18	testing conditions,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.1		2022-06-28
		19	initial capacity test,in door,using a	《Photovoltaic (PV) stand alone systems - Design verification》		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			solar simulator	IEC 62124:2004 条款 15.2		
		20	battery charge cycle,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.3		2022-06-28
		21	system functional test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.4		2022-06-28
		22	second capacity test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.5		2022-06-28
		23	recovery test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.6		2022-06-28
		24	final capacity test,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.7		2022-06-28
		25	operation at maximum voltage,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.8		2022-06-28
		26	visual inspection,in door,using a solar simulator	《Photovoltaic (PV) stand alone systems - Design verification》 IEC 62124:2004 条款 15.9		2022-06-28
10	PV Combiner Assemblies	1	Over current protection	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.7		2022-06-28
		2	Communication display	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 7.2.3		2022-06-28
		3	Shell protection class	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.3.1		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	insulation resistance	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.9.2		2022-06-28
		5	Clearances and creepage distances	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.5		2022-06-28
		6	earthing continuity	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.8		2022-06-28
		7	Low temperature start and communication display	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.10.2		2022-06-28
		8	High temperature work and communication display	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.10.3		2022-06-28
		9	Alternating damp heat	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.10.1		2022-06-28
		10	impact	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.3.2		2022-06-28
		11	temperature rise	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.10.4		2022-06-28
		12	Static load	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.3.3		2022-06-28
		13	Corrosion protection	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.4.1		2022-06-28
		14	Ultraviolet radiation resistance	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.4.2		2022-06-28
		15	Flame retardant grade	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.4.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Ball pressure test	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.4.4.1		2022-06-28
		17	Glow wire test	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.4.4.2		2022-06-28
		18	Connection reliability	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.6		2022-06-28
		19	Power frequency withstand voltage	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.9.1 6.9.2		2022-06-28
		20	Impulse withstand voltage	《Technical Requirements of PV Combiner Assemblies》 CGC/GF 037:2014 条款 6.9.1 6.9.3		2022-06-28
11	Electronic control device for solar photovoltaic lighting		part parameters	《Electronic controllers for solar photovoltaic(PV)lighting-Performance specifications allications》 GB/T 26849-2011		2022-06-28
12	Bypass diode		all parameters	《Photovoltaic modules – Bypass diode – Thermal runaway test》 IEC 62979:2017		2022-06-28
13	lighting column		Part of parameters	《Lamp poles-Part 1: General requirements》 QB/T 5093.1-2017	The impact resistance and strength design and check of the access door are unexpected	2022-06-28
14	lighting column		Part of parameters	Lamp poles-Part 2: Steel lamp poles QB/T 5093.2-2017	The impact resistance	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					and strength design and check of the access door are unexpected	
15	photovoltaic stand-alone systems		all parameters	《The certificate technical specification of photovoltaic (PV) stand-alone systems applies to low-temperature》 CBC 2102-2019		2022-06-28
16	photovoltaic stand-alone systems		all parameters	《The certificate technical specification of photovoltaic (PV) stand-alone systems applies to high temperature-high humidity》 CBC 2103-2019		2022-06-28
17	Junction box of photovoltaic modules for ground use			《Technical conditions of junction box of photovoltaic modules for ground use》 GB/T 37410-2019		2022-06-28
18	military materiel		Part of parameters	《Laboratory environmental test methods for military materiel Part 18: Shock test》 GJB 150.18A-2009	only transport fall	2022-06-28
19	military materie	1	environmental test	《Laboratory environmental test methods for military materie Part 7: Solar radiation test》 GJB 150.7A-2009 4		2022-06-28
		2	environmental test	《humidity for logistics equipme temperature and Laboratory test methods of high temperature and low temperature》 GJB 5727-2006 4		2022-06-28
		3	environmental test	《Laboratory environmental test methods for military materiel——Part 8: Rain test》 GJB 150.8A -2009 4.2		2022-06-28
3、Electrical						

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
1	Lead-Acid Battery	1	Cadmium	《Determination of Cadmium in Lead-Acid Battery》 JB/T 11236-2011 条款 4		2022-06-28
		2	arsenic	《Determination method for arsenic in lead-acid battery》 JB/T 12344-2015		2022-06-28
2	Battery Parameters	1	mercury	《Determination of mercury,cadmium and lead in battery》 GB/T 20155-2018 条款 7、8		2022-06-28
		2	cadmium	《Determination of mercury,cadmium and lead in battery》 GB/T 20155-2018 条款 9		2022-06-28
		3	lead	《Determination of mercury,cadmium and lead in battery》 GB/T 20155-2018 条款 10		2022-06-28
3	Plate for lead-acid battery	1	Dimension,mass	《Plate for lead-acid battery》 GB/T 23636-2017 6.1		2022-06-28
		2	rated capacity	《Plate for lead-acid battery》 GB/T 23636-2017 6.2		2022-06-28
		3	Apperance	《Plate for lead-acid battery》 GB/T 23636-2017 6.3		2022-06-28
		4	Lead dioxide content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.1		2022-06-28
		5	Lead oxide content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.2		2022-06-28
		6	Lead sulfate content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.3		2022-06-28
		7	Lead free	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.4		2022-06-28
		8	Water content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.5		2022-06-28
		9	Iron Content	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.6		2022-06-28
		10	Cadmium content in plates	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.7		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	The joint determination of iron and cadmium in plate	《Plate for lead-acid battery》 GB/T 23636-2017 6.4.9		2022-06-28
4	Valve-regulated colloid battery for telecommunication	1	Mass check	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.3		2022-06-28
		2	Structure	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.4		2022-06-28
		3	Gas emission	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.7		2022-06-28
		4	Capacity	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.8		2022-06-28
		5	High current Discharge	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.9		2022-06-28
		6	Capacity conservation Rate	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.10		2022-06-28
		7	Sealed reaction effciency	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.11		2022-06-28
		8	Acid fog resistance	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.12		2022-06-28
		9	Safety valve	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.13		2022-06-28
		10	Overcharge endurance	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.14		2022-06-28
		11	Charge management	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.15		2022-06-28
		12	Balance of terminal	《Valve-regulated colloid battery for telecommunication》		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			voltage	YD/T 1360-2005 条款 6.16		
		13	Connection voltage drop	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.17		2022-06-28
		14	Internal resistance	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.18		2022-06-28
		15	Explosion-proof capability	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.19		2022-06-28
		16	Sealing test	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.20		2022-06-28
		17	Thermal runaway sensitivity	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.21		2022-06-28
		18	Recovery capability after high current diacharge	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.22		2022-06-28
		19	Overdischarge	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.23		2022-06-28
		20	Low temperature sensitivity	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.24		2022-06-28
		21	Cycle	《Valve-regulated colloid battery for telecommunication》 YD/T 1360-2005 条款 6.25		2022-06-28
5	Get up and put the lead-acid battery to use	1	Dimension、polarity	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.3		2022-06-28
		2	Capacity test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.4		2022-06-28
		3	Cold cranking test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		4	Charge acceptence test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.6		2022-06-28
		5	Charge retention test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.7		2022-06-28
		6	Electrolyte retention test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.8		2022-06-28
		7	High temperature erosion	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.9.1		2022-06-28
		8	Cycle endurance Ⅰ	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.9.2		2022-06-28
		9	Cycle endurance Ⅱ	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.9.3		2022-06-28
		10	Cycle endurance Ⅲ	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.9.4		2022-06-28
		11	Cycle endurance Ⅳ	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.9.5		2022-06-28
		12	Water consumption test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.1		2022-06-28
		13	Vibration test	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.11		2022-06-28
		14	Cranking performance for dry-charged(or conserved-charged)batteries after activation	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.12		2022-06-28
		15	gas leakage test	《Lead-acid starter batteries- Part1:Technical conditions and		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				methods of test》 GB/T 5008.1-2013 条款 5.13		
		16	Storage test without electrolyte for dry-charged(or conserved-charged)batteries after activation	《Lead-acid starter batteries- Part1:Technical conditions and methods of test》 GB/T 5008.1-2013 条款 5.14		2022-06-28
6	Lead-acid batteries for motorcycles	1	polarity	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.4		2022-06-28
		2	gas leakage test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.5		2022-06-28
		3	Valve open and close test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.6		2022-06-28
		4	Safety test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.7		2022-06-28
		5	Capacity test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.8		2022-06-28
		6	Sealed reaction effciency test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.9		2022-06-28
		7	Cold cranking test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.1		2022-06-28
		8	Charge acceptence test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.11		2022-06-28
		9	Charge retention test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.12		2022-06-28
		10	Cycle endurance test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.13		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	Electrolyte retention tes	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.14		2022-06-28
		12	Vibration test	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.15		2022-06-28
		13	Dry charged performance	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.16		2022-06-28
		14	Storage test for dry-charged batteries	《Lead-acid batteries for motorcycles》 GB/T 23638-2009 条款 5.17		2022-06-28
7	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	Insulation and wiring	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 5.2		2022-06-28
		2	Continuous low-rate charging (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 7.2.1		2022-06-28
		3	Vibration	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 7.2.2		2022-06-28
		4	Moulded case stress at high ambient temperature (batteries)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 7.2.3		2022-06-28
		5	Temperature cycling	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				portable applications》 EN 62133-2013 条款 7.2.4		
		6	Incorrect installation (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 7.3.1		2022-06-28
		7	Overcharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 7.3.8		2022-06-28
		8	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 7.3.9		2022-06-28
		9	Charge(Procedure2)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 8.1.2		2022-06-28
		10	Continuous charging at constant voltage (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 8.2.1		2022-06-28
		11	Moulded case stress at high ambient temperature (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 8.2.2		2022-06-28
		12	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				portable applications》 EN 62133-2013 条款 8.3.6		
		13	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes— Safety requirements for portable sealed secondary cells,and for batteries made from them,for use in portable applications》 EN 62133-2013 条款 8.3.7		2022-06-28
8	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	Vibration test	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Mechanical tests for sealed portable secondary cells and batteries 》 IEC 61959-2004 条款 4.1		2022-06-28
		2	Insulation and wiring	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 5.2		2022-06-28
		3	Continuous low-rate charging (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 7.2.1		2022-06-28
		4	Vibration	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 7.2.2		2022-06-28
		5	Moulded case stress at high ambient temperature (batteries)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 7.2.3		2022-06-28
		6	Temperature cycling	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				protable applications》 IEC 62133-2012 条款 7.2.4		
		7	Incorrect installation (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 7.3.1		2022-06-28
		8	Overcharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 7.3.8		2022-06-28
		9	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 7.3.9		2022-06-28
		10	Charge(Procedure2)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 8.1.2		2022-06-28
		11	Continuous charging at constant voltage (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 8.2.1		2022-06-28
		12	Moulded case stress at high ambient temperature (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 8.2.2		2022-06-28
		13	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed		2022-06-28

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		№	Item/ Parameter			
				secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 8.3.6		
		14	Forced discharge (cells)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 8.3.7		2022-06-28
		15	Transport tests	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Safety requirements for portable sealed secondary cells，and for batteries made from them,for use in protable applications》 IEC 62133-2012 条款 8.3.8		2022-06-28
		16	Discharge performance at 25℃	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.3.1		2022-06-28
		17	Discharge performance at low temperature	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.3.2		2022-06-28
		18	High rate permissible current	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.3.3		2022-06-28
		19	Charge retention and recovery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.4		2022-06-28
		20	Internal a.c. resistance	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.5.2		2022-06-28
		21	Internal d.c. resistance	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.5.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		22	Endurance in cycles	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.6.1		2022-06-28
		23	Endurance in storage at constant voltage	《Secondary cells and batteries containing alkaline or other non-acid electrolytes—Secondary lithium cells and batteries for use in industrial applications》 IEC 62620-2014 条款 6.6.2		2022-06-28
9	Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries	1	Insulating	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 5.2		2022-06-28
		2	Continuous low-rate charging	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 7.2.1		2022-06-28
		3	Vibration	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 7.2.2		2022-06-28
		4	Case stress at high ambient temperature	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 7.2.3		2022-06-28
		5	Temperature cycling	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed		2022-06-28

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				secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 7.2.4		
		6	Incorrect installation	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 7.3.1		2022-06-28
		7	Overcharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 7.3.8		2022-06-28
		8	Forced discharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 7.3.9		2022-06-28
		9	Packaging	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 1: Nickel systems》 IEC 62133-1-2017 条款 10		2022-06-28
	Secondary cells and batteries containing alkaline or other non-acid	1	Insulating	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 条款 5.2		2022-06-28

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	electrolytes – Safety requirements for portable sealed secondary cells, and for batteries	2	Continuous charging at constant voltage（cell）	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 条款 7.2.1		2022-06-28
		3	Case stress at high ambient temperature (battery)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 条款 7.2.2		2022-06-28
		4	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 条款 7.3.6		2022-06-28
		5	Over-charging of battery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 条款 7.3.7		2022-06-28
		6	Packaging	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries made from them , for use in portable applications – Part 2: Lithium systems》 IEC 62133-2-2017 条款 10		2022-06-28
11	Secondary cells and batteries	1	forced discharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries，for use in industrial applications》 IEC		2022-06-28

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	containing alkaline or other non-acid electrolytes – Safety requirements for portable sealed secondary cells, and for batteries			62619-2017 条款 7.2.6		
		2	Propagation test (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries，for use in industrial applications》 IEC 62619-2017 条款 7.3.3		2022-06-28
		3	Overcharge control of voltage (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries，for use in industrial applications》 IEC 62619-2017 条款 8.2.2		2022-06-28
		4	Overcharge control of current (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries，for use in industrial applications》 IEC 62619-2017 条款 8.2.3		2022-06-28
		5	Overheating control (battery system)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries，for use in industrial applications》 IEC 62619-2017 条款 8.2.4		2022-06-28
		6	Overcharge test (cell or cell block)	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Safety requirements for secondary lithium cells and batteries，for use in industrial applications》 IEC 62619-2017 条款 7.2.5		2022-06-28
12	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	Discharge performance at 20℃	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made fron them》 IEC 61960-3:2017 7.3.1		2022-06-28
		2	Discharge	《Secondary cells and batteries containing alkaline or other non-		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			performance at -20℃	acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made fron them》 IEC 61960-3:2017 7.3.2		
		3	High rate discharge performance at 20℃	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made fron them》 IEC 61960-3:2017 7.3.3		2022-06-28
		4	Charge(capacity) retention and recovery	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made fron them》 IEC 61960-3:2017 7.4		2022-06-28
		5	Charge(capacity) recovery after long term storage	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made fron them》 IEC 61960-3:2017 7.5		2022-06-28
		6	Endurance in cycles	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made fron them》 IEC 61960-3:2017 7.6		2022-06-28
		7	Battery internal resistance	《Secondary cells and batteries containing alkaline or other non-acid electrolytes Secondary lithium cells and batteries for portable applications - Part3:Prismatic and cylindrical lithium secondary cells,andbatteries made fron them》 IEC 61960-3:2017 7.7		2022-06-28

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13	Lithium Batteries	1	Abnormal charging test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 条款 11		2022-06-28
		2	Forced-discharge test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 条款 12		2022-06-28
		3	Vibration test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 条款 16		2022-06-28
		4	Temperature cycling test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2012 条款 18		2022-06-28
14	Lead-acid batteries for starting in ships	1	Terminal and polarity	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.3		2022-06-28
		2	Dimension	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.4		2022-06-28
		3	Gas emission	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.5		2022-06-28
		4	Insulation	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.6		2022-06-28
		5	Capacity	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.7		2022-06-28
		6	Cold cranking test	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.8		2022-06-28
		7	Cranking performance for dry-charged(or conserved-charged)batteries after activation	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.9		2022-06-28
		8	Charge acceptence test	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条		2022-06-28

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				款 6.1		
		9	Charge retention	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.11		2022-06-28
		10	Cycle endurance	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.12		2022-06-28
		11	Tilt	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.13		2022-06-28
		12	Swing	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.14		2022-06-28
		13	Vibration	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.15		2022-06-28
		14	Water consumption	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.16		2022-06-28
		15	Acid fog resistance	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.17		2022-06-28
		16	Storage	《Lead-acid batteries for starting in ships》 CB/T 4319-2013 条款 6.18		2022-06-28
15	Valve-regulated lead acid batteries for telecommunications	1	Gas emission	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 条款 7.6		2022-06-28
		2	Capacity	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 条款 7.7		2022-06-28
		3	High current diacharge	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 条款 7.8		2022-06-28
		4	Capacity conservation Rate	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 条款 7.9		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Sealed reaction effciency	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.1		2022-06-28
		6	Acid fog resistance	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.11		2022-06-28
		7	Safety valve	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.12		2022-06-28
		8	Overcharge endurance	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.13		2022-06-28
		9	Charge management	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.14		2022-06-28
		10	Balance of terminal voltage	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.15		2022-06-28
		11	Connection voltage drop	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.16		2022-06-28
		12	Explosion-proof capability	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.17		2022-06-28
		13	Sealing test	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.18		2022-06-28
		14	Internal resistance	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.19		2022-06-28
		15	Thermal runaway sensitivity	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.2		2022-06-28
		16	Overdischarge	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.21		2022-06-28
		17	Low temperature sensitivity	《Valve-regulated lead acid batteries for telecommunications》YD/T 799-2010 条款 7.22		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Cycle	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 条款 7.23		2022-06-28
		19	Recharge performance	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 条款 7.24		2022-06-28
		20	Capability consistency	《Valve-regulated lead acid batteries for telecommunications》 YD/T 799-2010 条款 7.25		2022-06-28
16	Lead-acid batteries for electric vehicles	1	Polarity	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.3		2022-06-28
		2	Dimension and mass	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.4		2022-06-28
		3	3h rate rated apacity	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.5		2022-06-28
		4	High current discharge	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.6		2022-06-28
		5	Fast charge capability	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.7		2022-06-28
		6	—20℃ low temperature discharge	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.8		2022-06-28
		7	Safety	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.9		2022-06-28
		8	Sealed reaction effciency	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.1		2022-06-28
		9	Water Consumption	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.11		2022-06-28
		10	Charge retention	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.12		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	Cycle endurance	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.13		2022-06-28
		12	Vibration	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.14		2022-06-28
		13	Pressure limited valve	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.15		2022-06-28
		14	Storage	《Lead-acid batteries for electric vehicles》 QC/T 742-2006 条款 6.16		2022-06-28
17	Household and Commercial Batteries	1	Abnormal charging test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 10		2022-06-28
		2	Abusive overcharge test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 11		2022-06-28
		3	Forced-discharge test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 12		2022-06-28
		4	Limited Power Source test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 13		2022-06-28
		5	Battery pack component temperature test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 13A		2022-06-28
		6	Battery pack surface temperature test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 13B		2022-06-28
		7	Vibration test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 17		2022-06-28
		8	Mold stress relief test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 20		2022-06-28
		9	Temperature cycling test	《Standard for safety Household and Commercial Batteries》 UL 2054-2004 条款 24		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
18	Miner's lamp used Lithium ion batteries	1	Capacity	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.4.2		2022-06-28
		2	High temperature discharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.4.3		2022-06-28
		3	Low temperature discharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.4.4		2022-06-28
		4	Charge retention and recovery	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.4.5		2022-06-28
		5	Storage	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.4.6		2022-06-28
		6	Cycle	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.4.7		2022-06-28
		7	Steady damp-heat	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.5.2		2022-06-28
		8	Vibration	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.5.3		2022-06-28
		9	Temperature change	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.5.6		2022-06-28
		10	Overcharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.6.4		2022-06-28
		11	Forced discharge	《Miner's lamp used Lithium ion batteries》 MT/T 1051-2007 条款 5.6.5		2022-06-28
19	Electric motorcar used nicke metal hydride	1	Polarity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.2		2022-06-28
		2	Dimension and mass	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	batteries	3	20℃ discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.5		2022-06-28
		4	_20℃ discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.6		2022-06-28
		5	55℃ discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.7		2022-06-28
		6	20℃ high rate discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.8		2022-06-28
		7	Room and high temperature charge retention and recovery	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.9		2022-06-28
		8	Overdischarge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.10.2		2022-06-28
		9	Overcharge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.10.3		2022-06-28
		10	Cycle	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.11		2022-06-28
		11	Storage	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.2.12		2022-06-28
		12	Polarity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.3.2		2022-06-28
		13	Dimension and mass	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.3.3		2022-06-28
		14	20℃ discharge capacity	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.3.5		2022-06-28
		15	Simple simulation	《Electric motorcar used nicke metal hydride batteries》 QC/T		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			of working state	744-2006 条款 6.3.6		
		16	Vibration	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.3.7		2022-06-28
		17	Overdischarge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.3.8.1		2022-06-28
		18	Overcharge	《Electric motorcar used nicke metal hydride batteries》 QC/T 744-2006 条款 6.3.8.2		2022-06-28
20	Secondary cells and batteries for photovoltaic energy systems (PVES)	1	Capacity test	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN 61427-2006 条款 8.1		2022-06-28
		2	Endurance in cycle test	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN 61427-2006 条款 8.2		2022-06-28
		3	Charge retention test	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN 61427-2006 条款 8.3		2022-06-28
		4	Cycling endurance test in photovoltaic applications(extreme conditions)	《Secondary cells and batteries for photovoltaic energy systems (PVES)-General requirements and methods of test》 DIN EN 61427-2006 条款 8.4		2022-06-28
21	Secondary cells and batteries for renewable energy storage General requirements	1	Capacity test	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》 IEC 61427-1：2013 条款 8.1		2022-06-28
		2	Generic cycling endurance test	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	and methods			off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》IEC 61427-1：2013 条款 8.2		
		3	Charge retention test	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》IEC 61427-1：2013 条款 8.3		2022-06-28
		4	Cycling endurance test in photovoltaic applications(extreme conditions)	《Secondary cells and batteries for renewable energy storage General requirements and methods of test Part 1: Photovoltaic off-grid application Accumulateurs pour le stockage de l'énergie renouvelable Exigences générales et méthodes d'essais Partie 1》IEC 61427-1：2013 条款 8.4		2022-06-28
22	Lead-acid batteries for start-stop	1	Type、dimension、Terminal dimension and polarity、mark	《The Technical conditions of lead-acid batteries for start-stop》CEEIA 228-2015 条款 5.3.1		2022-06-28
		2	Mass	《The Technical conditions of lead-acid batteries for start-stop》CEEIA 228-2015 条款 5.3.2		2022-06-28
		3	Capacity test	《The Technical conditions of lead-acid batteries for start-stop》CEEIA 228-2015 条款 5.3.3		2022-06-28
		4	Cold cranking test at -18℃	《The Technical conditions of lead-acid batteries for start-stop》CEEIA 228-2015 条款 5.3.4		2022-06-28
		5	Cold cranking test at -29℃	《The Technical conditions of lead-acid batteries for start-stop》CEEIA 228-2015 条款 5.3.5		2022-06-28
		6	Static charge acceptance	《The Technical conditions of lead-acid batteries for start-stop》CEEIA 228-2015 条款 5.3.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Dynamic charge acceptance	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.7		2022-06-28
		8	Charge retention test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.8		2022-06-28
		9	start-stop test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.9		2022-06-28
		10	Cycles with 17.5% DoD	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.10		2022-06-28
		11	Cycles with 50% DoD	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.11		2022-06-28
		12	Vibration resistance test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.12		2022-06-28
		13	Electrolyte retention test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.13		2022-06-28
		14	Water consumption test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.14		2022-06-28
		15	Terminal anti torque	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.15		2022-06-28
		16	Safety valve open and close	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.16		2022-06-28
		17	Fasten strength	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.17		2022-06-28
		18	Handle lift strength	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.18		2022-06-28
		19	Safety test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.19		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		20	Over-discharge test	《The Technical conditions of lead-acid batteries for start-stop》 CEEIA 228-2015 条款 5.3.20		2022-06-28
23	traction battery of electric vehicle	1	Room temperature capacity and energy(initial capacity and energy)	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 条款 6.2		2022-06-28
		2	Room temperature power(initial power)	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 条款 6.3		2022-06-28
		3	Standard cycle	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 条款 6.4		2022-06-28
		4	Operating mode cycle	《Cycle life requirements and test methods for traction battery of electric vehicle》 GB/T 31484-2015 条款 6.5		2022-06-28
		5	Overdischarge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 条款 6.2.2		2022-06-28
		6	Overcharge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 条款 6.2.3		2022-06-28
		7	Temperature cycle	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 条款 6.2.10		2022-06-28
		8	Overdischarge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 条款 6.3.2		2022-06-28
		9	Overcharge	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 条款 6.3.3		2022-06-28
		10	Temperature cycle	《Safety requirements and test methods for traction battery of electric vehicle》 GB/T 31485-2015 条款 6.3.10		2022-06-28
		11	Polarity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				6.2.2		
		12	Dimension and mass	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.2.3		2022-06-28
		13	Room temperature discharge capacity(initial capacity)	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.2.5		2022-06-28
		14	Polarity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.2		2022-06-28
		15	Dimension and mass	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.3		2022-06-28
		16	Room temperature discharge capacity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.5		2022-06-28
		17	Room temperature high rate discharge performance	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.6		2022-06-28
		18	Room temperature high rate charge performance	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.7		2022-06-28
		19	Low temperature discharge capacity	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.8		2022-06-28
		20	High temperature discharge capacity	《Electrical performance requirements and test methods for		2022-06-28

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		№	Item/ Parameter			
				traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.9		
		21	Charge retention and recovery	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.10		2022-06-28
		22	Vibration endurance	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.11		2022-06-28
		23	Storage	《Electrical performance requirements and test methods for traction battery of electric vehicle》 GB/T 31486-2015 条款 6.3.12		2022-06-28
24	Lithium ion cells and batteries used in portable electronic equipments	1	Capacity(cell)	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 4.7.3		2022-06-28
		2	Pre-treatment	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 4.7.4		2022-06-28
		3	Overcharge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 6.3		2022-06-28
		4	Forced discharge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 6.4		2022-06-28
		5	Temperature cycle	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 7.2		2022-06-28
		6	Vibration	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 7.3		2022-06-28
		7	Temperature cycle	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 8.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Vibration	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 8.3		2022-06-28
		9	Mold stress relief	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 8.6		2022-06-28
		10	High temperature use	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 8.7		2022-06-28
		11	Flame resistance(wire)	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 附录 G		2022-06-28
		12	Over voltage charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 9.2		2022-06-28
		13	Over current charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 9.3		2022-06-28
		14	Low voltage discharge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 9.4		2022-06-28
		15	Over load	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 9.5		2022-06-28
		16	Reverse charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 9.7		2022-06-28
		17	Protection of over voltage charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 10.2		2022-06-28
		18	Protection of over current charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 10.3		2022-06-28
		19	Protection of low voltage charge	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 10.4		2022-06-28
		20	Protection of over load	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 10.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		21	High voltage resistance	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 10.7		2022-06-28
		22	Control of charge voltage	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 11.2		2022-06-28
		23	Control of charge current	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 11.3		2022-06-28
		24	Control of discharge voltage	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 11.4		2022-06-28
		25	Control of discharge current	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 11.5		2022-06-28
		26	Control of charge and discharge temperature	《Lithium ion cells and batteries used in portable electronic equipments—Safety requirements》 GB 31241-2014 条款 11.6		2022-06-28
25	Stationary lead-acid batteries	1	Gas emission	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.1		2022-06-28
		2	High current tolerance	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.2		2022-06-28
		3	Short circuit current and d.c. internal resistance	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.3		2022-06-28
		4	Protection against internal ignition from external spark sources	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.4		2022-06-28
		5	Protection against ground short propensity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.5		2022-06-28
		6	Content and	《Stationary lead-acid batteries Part 21: Valve regulated types		2022-06-28

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			durability of required markings	Methods of test》 IEC 60896-21-2004 条款 6.6		
		7	Material identification	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.7		2022-06-28
		8	Valve operation	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.8		2022-06-28
		9	Flammability rating of materials	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.9		2022-06-28
		10	Intercell connector performance	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.1		2022-06-28
		11	Discharge capacity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.11		2022-06-28
		12	Charge retention during storage	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.12		2022-06-28
		13	Float service with daily discharges	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.13		2022-06-28
		14	Recharge behaviour	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.14		2022-06-28
		15	Service life at an operating temperature of 40℃	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.15		2022-06-28
		16	Impact of a stress temperature of 55℃ or 60℃	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.16		2022-06-28
		17	Abusive over-discharge	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.17		2022-06-28
		18	Thermal runaway sensitivity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.18		2022-06-28

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		19	Low temperature sensitivity	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.19		2022-06-28
		20	Dimensional stability at elevated internal pressures and temperatures	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.2		2022-06-28
		21	Stability against mechanical abuse of units during installation	《Stationary lead-acid batteries Part 21: Valve regulated types Methods of test》 IEC 60896-21-2004 条款 6.21		2022-06-28
26	General purpose lead-acid batteries(valve-regulated types)	1	Capacity Ca (actual capacity at the 20 h discharge rate)	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056.1-2012 条款 7.2		2022-06-28
		2	High rate capacity	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.3		2022-06-28
		3	Endurance in cycles	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.4		2022-06-28
		4	Float service endurance	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.5		2022-06-28
		5	Float service endurance at	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.6		2022-06-28
		6	Charge retention	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.7		2022-06-28

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		7	Maximum permissible current	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.8		2022-06-28
		8	Charge acceptance after deep discharge	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.9		2022-06-28
		9	Gas emission intensity	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.1		2022-06-28
		10	Operation of regulating valve and over pressure resistance	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.11		2022-06-28
		11	Vibration resistance characteristics	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.12		2022-06-28
		12	Shock resistant characteristics	《General purpose lead-acid batteries (valve-regulated types) - Part 1: General requirements,functional characteristices-Methods of test》 IEC 61056-1-2012 条款 7.13		2022-06-28
27	Valve-regulate lead acid for electric and subway locomotives	1	Dimension and mass	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.3		2022-06-28
		2	Polarity	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.5		2022-06-28
		3	Conbination consistency of OCV	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.6		2022-06-28

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		4	Capacity and conbination consistency of capacity	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.7		2022-06-28
		5	High current discharge test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.8		2022-06-28
		6	Discharge capacity in low temperature	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.9		2022-06-28
		7	Charge retention test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.1		2022-06-28
		8	Cycle endurance	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.11		2022-06-28
		9	Overcharge test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.12		2022-06-28
		10	Overdischarge test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.13		2022-06-28
		11	Charge acceptence test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.14		2022-06-28
		12	Sealed reaction effciency test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.15		2022-06-28

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		13	Explosion-proof capability test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.16		2022-06-28
		14	Acid fog resistance test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.17		2022-06-28
		15	Safety valve capability and imbalance rate of valve open and close pressure	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.18		2022-06-28
		16	Vibration and shock	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.19		2022-06-28
		17	Emergency ventilation performance	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.2		2022-06-28
		18	Sealing test	《Lead-acid battery for locomotives and rolling stock-Part1:Valve-regulate lead acid for electric and subway locomotives 》 GB/T 7404.1-2013 条款 6.21		2022-06-28
28	Valve regulated lead-acid for diesel locomotives	1	Dimension and mass	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.2		2022-06-28
		2	Apperance polarity mark and polarity	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.3		2022-06-28
		3	Capacity and conbination	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T		2022-06-28

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		№	Item/ Parameter			
			consistency of capacity	7404.2-2013 条款 7.4		
		4	Room temperature cranking test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.5		2022-06-28
		5	Cold cranking test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.6		2022-06-28
		6	Charge retention test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.7		2022-06-28
		7	Cycle endurance	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.8		2022-06-28
		8	Overcharge test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.9		2022-06-28
		9	Charge acceptence test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.1		2022-06-28
		10	Sealed reaction effciency test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.11		2022-06-28
		11	Explosion-proof capability test	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.12		2022-06-28

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		12	Safety valve capability	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.13		2022-06-28
		13	Gas emission	《Lead-acid battery for locomotives and rolling stock-Part2:Valve regulated lead-acid for diesel locomotives》 GB/T 7404.2-2013 条款 7.14		2022-06-28
29	Lead-Acid battery used for passenger trains	1	Dimension	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.4		2022-06-28
		2	Mass	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.5		2022-06-28
		3	Conbination consistency of OCV	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.6		2022-06-28
		4	Capacity and conbination consistency of capacity	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.7		2022-06-28
		5	Low temperature capacity	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.8		2022-06-28
		6	High current discharge performance	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.9		2022-06-28
		7	Charge retention	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.1		2022-06-28
		8	Charge acceptence test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.11		2022-06-28
		9	Overcharge	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.12		2022-06-28

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		№	Item/ Parameter			
		10	Cycle endurance	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.13		2022-06-28
		11	Sealed reaction effciency test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.14		2022-06-28
		12	Explosion-proof capability test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.15		2022-06-28
		13	Acid fog resistance test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.16		2022-06-28
		14	Valve performance test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.17		2022-06-28
		15	Gas emission test	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.18		2022-06-28
		16	Vibration	《Lead-Acid battery used for passenger trains》 GB/T 13281-2008 条款 6.19		2022-06-28
30	Stationary acidspray-proof lead-acid batteries	1	Structure	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 4.1		2022-06-28
		2	Polarity	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.1.2		2022-06-28
		3	Dimension and mass	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.1.3		2022-06-28
		4	Gas emission	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.2		2022-06-28
		5	Capacity	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.3		2022-06-28
		6	Charge retention	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.6		2022-06-28

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		7	Short circuit and internal resistance	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.5		2022-06-28
		8	Acid fog resistance	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.7		2022-06-28
		9	Cycle	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.1		2022-06-28
		10	Trickle current endurance and electrolyte storage	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.9		2022-06-28
		11	High current tolerance	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.4		2022-06-28
		12	Anti mechanical damage	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.11		2022-06-28
		13	Safety	《Stationary lead-acid batteries - Vented types - Part 1: Technical conditions》 GB/T 13337.1-2011 条款 6.8		2022-06-28
31	Special type lead acid storage battery for coal mine	1	Structure	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.3		2022-06-28
		2	polarity	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.2.2		2022-06-28
		3	Dimension	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.2.3		2022-06-28
		4	Gas emission	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.4		2022-06-28
		5	Sealing test	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-1999 条款 5.7		2022-06-28
		6	Capacity	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.6		2022-06-28

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		7	Hydrogen evolution quantity	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.7		2022-06-28
		8	Sealed reaction effciency	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.8		2022-06-28
		9	Vibration	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.9		2022-06-28
		10	High rate discharge performance	《Lead acid storage battery for traction》 GB/T 7403.1-2008 条款 6.4		2022-06-28
		11	Explosion-proof capability	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.11		2022-06-28
		12	Charge retention	《Lead acid storage battery for traction》 GB/T 7403.1-2008 条款 6.3		2022-06-28
		13	Cycle endurance	《Lead acid storage battery for traction》 GB/T 7403.1-2008 条款 6.5		2022-06-28
		14	Storage	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.14		2022-06-28
		15	Permeability of container	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-1999 条款 5.4		2022-06-28
		16	Resistance to impact of container	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-1999 条款 5.3		2022-06-28
		17	Special vent bolt permeability	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-1999 条款 5.5		2022-06-28
		18	Resistance to impact of special vent	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.18		2022-06-28
		19	Hydrophobicity of special vent	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.19		2022-06-28

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		20	Static tension of special vent	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.2		2022-06-28
		21	Valve open and close test for sealed battey	《Special type lead acid storage battery for coal mine》 MT 658-2011 条款 5.21		2022-06-28
32	small-sized valve-regulated lead-acid batteries	1	Terminal polarity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.3		2022-06-28
		2	Dimension	《General purpose valve-regulated lead-acid batteries—Part 2：Kinds of products and specifications》 GB/T 19639.2-2014 条款 4		2022-06-28
		3	20h rate capacity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.4.1		2022-06-28
		4	1h rate capacity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.4.2		2022-06-28
		5	27min rate capacity	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.5		2022-06-28
		6	Maximum discharge current	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.6		2022-06-28
		7	Overdischarge	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.7		2022-06-28
		8	Safety test	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.1		2022-06-28
		9	Gas evolution or Sealed reaction effciency	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.8		2022-06-28
		10	Valve	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.9		2022-06-28

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		11	Explosion-proof capability	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.11		2022-06-28
		12	Charge retention	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.12		2022-06-28
		13	Vibration	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.13		2022-06-28
		14	Impact	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.14		2022-06-28
		15	Cycle	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.15		2022-06-28
		16	Float durability	《General purpose valve-regulated lead-acid batteries—Part 1:Technical conditions》 GB/T 19639.1-2014 条款 5.16		2022-06-28
33	Nickel-metal hydride batteries for electric road vehicles	1	polarity	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.3		2022-06-28
		2	Dimension and mass	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.4		2022-06-28
		3	$2I_3$（A）charge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.8		2022-06-28
		4	20℃ discharge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.9		2022-06-28
		5	-18℃ discharge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.1		2022-06-28
		6	50℃ discharge performance	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.11		2022-06-28
		7	Charge retention	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.12		2022-06-28

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		8	Safety valve working performance of cell	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.13		2022-06-28
		9	Cycle	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.14		2022-06-28
		10	Vibration	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.15		2022-06-28
		11	Storage	《Nickel-metal hydride batteries for electric road vehicles》 GB/T 18332.2-2001 条款 6.16		2022-06-28
34	Lithium-ion batteries for electric vehicles	1	Polarity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.2		2022-06-28
		2	Dimension and mass	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.3		2022-06-28
		3	20℃ discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.5		2022-06-28
		4	_20℃ discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.6		2022-06-28
		5	55℃ discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.7		2022-06-28
		6	20℃ high rate discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.8		2022-06-28
		7	Room and high temperature charge retention and recovery	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.9		2022-06-28
		8	Storage	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.10		2022-06-28

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		№	Item/ Parameter			
		9	Cycle	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.11		2022-06-28
		10	Overdischarge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.12.1		2022-06-28
		11	Overcharge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.2.12.2		2022-06-28
		12	Polarity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.3.2		2022-06-28
		13	Dimension and mass	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.3.3		2022-06-28
		14	20℃ discharge capacity	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.3.5		2022-06-28
		15	Simple simulation of working state	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.3.6		2022-06-28
		16	Vibration	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.3.7		2022-06-28
		17	Overdischarge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.3.8.1		2022-06-28
		18	Overcharge	《Lithium-ion batteries for electric vehicles》 QC/T 743-2006 条款 6.3.8.2		2022-06-28
35	Lithium ion accumulator cell	1	Apperance dimension and mass	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.2		2022-06-28
		2	Pre cycle	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.3		2022-06-28
		3	Rated capacity test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.4		2022-06-28

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		№	Item/ Parameter			
		4	High current discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.5		2022-06-28
		5	Low temperature discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.6		2022-06-28
		6	High temperature discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.7		2022-06-28
		7	Internal resistance test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.8		2022-06-28
		8	Charge retention test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.9		2022-06-28
		9	Cycle test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.1		2022-06-28
		10	Storage test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.11		2022-06-28
		11	High temperature test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.12.1		2022-06-28
		12	Low temperature test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.12.2		2022-06-28
		13	Steady damp-heat test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.12.3		2022-06-28
		14	Vibration test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.12.4		2022-06-28
		15	Collision test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.12.5		2022-06-28
		16	Thermal shock test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.12.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		17	Overcharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.13.1		2022-06-28
		18	Forced discharge test	《The lithium ion accumulator cell is always standard》 QB/T 2502-2000 条款 5.13.2		2022-06-28
36	Lead-acid batteries used for electric road vehicles	1	polarity	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.2.3		2022-06-28
		2	Dimension	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.2.2		2022-06-28
		3	Mass	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.2.4		2022-06-28
		4	rated capacity	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.3		2022-06-28
		5	Capacity at different temperature capacity	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.4		2022-06-28
		6	Charge retention	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.5		2022-06-28
		7	Cycle endurance	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.6		2022-06-28
		8	active endurance	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.7		2022-06-28
		9	Fast charge capability	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.8		2022-06-28
		10	over charge	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.9.1		2022-06-28
		11	Peak power	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.10		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Water Consumption	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.11		2022-06-28
		13	Vibration	《Lead-acid batteries used for electric road vehicles-Part1：Technical Condition》 GB/T 32620.1-2016 条款 5.12		2022-06-28
37	Lead-acid storage batteries used for energy storage	1	Dimension	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.1		2022-06-28
		2	Sealing test	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.4		2022-06-28
		3	10h rate capacity	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.2.1		2022-06-28
		4	Low temperature capacity	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.2.2		2022-06-28
		5	120h rate capacity	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.2.3		2022-06-28
		6	Capability consistency	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.3		2022-06-28
		7	Charge acceptence	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.5		2022-06-28
		8	Charge retention	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.6		2022-06-28
		9	Water Consumption	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.7		2022-06-28
		10	Cycle endurance	《Lead-acid storage batteries used for energy storage》 GB/T 22473-2008 条款 7.8		2022-06-28
38	Lithium-ion cells and batteries for	1	0.2I_2A discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	mobile phone	2	High rate discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.3		2022-06-28
		3	High temperature discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.4		2022-06-28
		4	Low temperature discharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.5		2022-06-28
		5	Charge retention and recovery	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.6		2022-06-28
		6	Storage	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.7		2022-06-28
		7	Cycle	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.8		2022-06-28
		8	Internal resistance	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.2.9		2022-06-28
		9	Steady damp-heat	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.3.2		2022-06-28
		10	Vibration	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.3.3		2022-06-28
		11	Mold stress relief	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.3.6		2022-06-28
		12	Protection of overcharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.4.2		2022-06-28
		13	Protection of overdischarge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.4.3		2022-06-28
		14	Overcharge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.5.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		15	Overdischarge	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.5.5		2022-06-28
		16	Temperature cycle	《Genral specification of lithium-ion cells and batteries for mobile phone》 GB/T 18287-2013 条款 5.3.5.8		2022-06-28
39	Nickel-Metal Hydride battery	1	20℃ discharge performance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.2.1		2022-06-28
		2	0℃ discharge performance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.2.2		2022-06-28
		3	(R battery)discharge performance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.2.3		2022-06-28
		4	Charge retention	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.3		2022-06-28
		5	Cycle	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.4.1		2022-06-28
		6	Endurance on permanent charge	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.4.2		2022-06-28

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		7	Constant voltage charge acceptance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.5		2022-06-28
		8	Overcharge	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.6		2022-06-28
		9	Gas release device operation	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.7		2022-06-28
		10	Storage	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.8		2022-06-28
		11	Charge acceptance at 55℃ for LT\MT or HT cylindrical cells	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.9		2022-06-28
		12	Internal resistance	《Secondary Cells and Batteries Containing Alkaline or Other Non-Acid Electrolytes - Portable Sealed Rechargeable Single Cells - Part 2 Nickel-Metal Hydride》 GB/T 22084.2-2008 条款 7.1		2022-06-28
40	Lithium metal and lithium ion batteries	1	Thermal test	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》 ST/SG/AC.10/11/Rev.6 UN38.3 条款 38.3.4.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Vibration	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》 ST/SG/AC.10/11/Rev.6 UN38.3 条款 38.3.4.3		2022-06-28
		3	Overcharge	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》 ST/SG/AC.10/11/Rev.6 UN38.3 条款 38.3.4.7		2022-06-28
		4	Forced discharge	《Transport of dangerous goods Manual of tests and criteria-Lithium metal and lithium ion batteries》 ST/SG/AC.10/11/Rev.6 UN38.3 条款 38.3.4.8		2022-06-28
41	Miniature valve-regulated lead-acid battery	1	Dimension	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.4		2022-06-28
		2	5h rate capacity	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.5		2022-06-28
		3	30min rate discharge	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.6		2022-06-28
		4	Overdischarge	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.7		2022-06-28
		5	Overcharge	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.8		2022-06-28
		6	Valve open and close	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.9		2022-06-28
		7	Safety test	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.1		2022-06-28
		8	Charge retention	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.11		2022-06-28
		9	Impact	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.12		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Cycle endurance	《Miniature valve-regulated lead-acid battery》 JB/T 11338-2012 条款 5.13		2022-06-28
42	Electric bicycles-cell or battery	1	Polarity	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.2		2022-06-28
		2	Dimension	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.3		2022-06-28
		3	2hr rated capacity	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.5		2022-06-28
		4	Discharge capacity in low temperature	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.6		2022-06-28
		5	Overdischarge	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.7		2022-06-28
		6	Overcharge	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.8		2022-06-28
		7	Charge retention	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.9		2022-06-28
		8	High current discharge performance	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.10		2022-06-28
		9	Vibration	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.11		2022-06-28
		10	Cycle	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.12		2022-06-28
		11	Conbination consistency	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.13		2022-06-28
		12	Pressure limited valve	《Electric bicycles-cell or battery and chargers Part 1:Sealed Pb-acid batteries and chargers》 QB/T 2947.1-2008 条款 6.1.14		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
43	metal-hydride Ni-ion batteries	1	Polarity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.1.2		2022-06-28
		2	Dimension	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.1.3		2022-06-28
		3	Mass	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.1.4		2022-06-28
		4	OCV	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.2.1		2022-06-28
		5	Operation current	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.2.2		2022-06-28
		6	Room temperature capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.2.3.1		2022-06-28
		7	Low temperature(-10℃)capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.2.3.2		2022-06-28
		8	High temperature(40℃)capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.2.3.3		2022-06-28
		9	I_2(A)discharge capacity	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.2.3.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	Charge retention	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.3		2022-06-28
		11	Cycle	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.4		2022-06-28
		12	Vibration	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.5		2022-06-28
		13	Overcharge	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.6.2		2022-06-28
		14	Overdischarge	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.6.3		2022-06-28
		15	Steady damp-heat	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.6.4		2022-06-28
		16	High and low temperature shock	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.6.5		2022-06-28
		17	Reverse charge	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.6.8		2022-06-28
		18	Safety valve working performance	《Electric bicycles-cell or battery and chargers Part 2:metal-hydride Ni-ion batteries and chargers》 QB/T 2947.2-2008 条款 6.1.6.12		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
44	Li-ion batteries	1	Polarity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.1.2		2022-06-28
		2	Dimension	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.1.3		2022-06-28
		3	Mass	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.1.4		2022-06-28
		4	OCV	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.2.1		2022-06-28
		5	Operation current	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.2.2		2022-06-28
		6	Room temperature capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.2.3.1		2022-06-28
		7	Low temperature(-10℃)capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.2.3.2		2022-06-28
		8	High temperature(40℃)capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.2.3.3		2022-06-28
		9	I_2(A)discharge capacity	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.2.3.4		2022-06-28
		10	Charge retention	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.3		2022-06-28
		11	Cycle	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.4		2022-06-28
		12	Vibration	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.5		2022-06-28
		13	Overcharge	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.6.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Overdischarge	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.6.3		2022-06-28
		15	Steady damp-heat	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.6.4		2022-06-28
		16	High and low temperature shock	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.6.5		2022-06-28
		17	Reverse charge	《Electric bicycles-cell or battery and chargers Part 3:Li-ion batteries and chargers》 QB/T 2947.3-2008 条款 6.1.6.8		2022-06-28
45	The special type power device of the explosion-proof of the colliery uses the lead-acid battery	1	Polarity	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.2.2		2022-06-28
		2	Dimension	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.2.3		2022-06-28
		3	Structure	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.3		2022-06-28
		4	Gas emission	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.4		2022-06-28
		5	Capacity	《Lead acid storage battery for traction》 GB/T 7403.1-2008 条款 6.2		2022-06-28
		6	Hydrogen precipitation	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.6		2022-06-28
		7	Charge retention	《Lead acid storage battery for traction》 GB/T 7403.1-2008 条款 6.3		2022-06-28
		8	High rate discharge performance	《Lead acid storage battery for traction》 GB/T 7403.1-2008 条款 6.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Cycle	《Lead acid storage battery for traction》 GB/T 7403.1-2008 条款 6.5		2022-06-28
		10	Vibration	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.1		2022-06-28
		11	Resistance to impact of container	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.11		2022-06-28
		12	Permeability of container	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.12		2022-06-28
		13	Special vent bolt permeability	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.13		2022-06-28
		14	Resistance to impact of special vent	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.14		2022-06-28
		15	Hydrophobicity of special vent	《Lead-acid batteries for special type explosion proof power unit in coal mine--Technical condition》 JB/T 8200-2010 条款 5.15		2022-06-28
46	Lead-acid batteries for stationary valve-regulated	1	Structure	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 5.1		2022-06-28
		2	polarity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.5		2022-06-28
		3	mass	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.3		2022-06-28
		4	Dimension	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.4		2022-06-28
		5	Sealing test	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.6		2022-06-28
		6	Durability of imformation and warning marking	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.26		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Capability	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.17		2022-06-28
		8	Balance of terminal voltage	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.16		2022-06-28
		9	Connection performance of cells	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.18		2022-06-28
		10	Gas evolution quantity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.7		2022-06-28
		11	Safety valve test	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.12		2022-06-28
		12	Rechargeablity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.2		2022-06-28
		13	Charge retention	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.19		2022-06-28
		14	Low temperature sensitivity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.25		2022-06-28
		15	ISC AND dcR	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.9		2022-06-28
		16	Cycle	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.21		2022-06-28
		17	Float durability at 40℃	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.22		2022-06-28
		18	Float durability at 60℃	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.23		2022-06-28
		19	Thermal runaway sensitivity	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.24		2022-06-28

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		№	Item/ Parameter			
		20	Acid fog resistance	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.11		2022-06-28
		21	Grounded short circuit resistance	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.13		2022-06-28
		22	High-current resistance	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.8		2022-06-28
		23	Anti mechanical damage	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.15		2022-06-28
		24	Explosion-proof capability	《Lead-acid batteries for stationary valve-regulated—Part 1:Technical requirements》 GB/T 19638.1-2014 条款 6.1		2022-06-28
47	Lead-acid batteries for electric road vehicles	1	Polarity	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.3		2022-06-28
		2	Dimension and mass	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.4		2022-06-28
		3	20℃ discharge capacity	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.6		2022-06-28
		4	-18℃ discharge capacity	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.7		2022-06-28
		5	50℃ discharge capacity	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.8		2022-06-28
		6	20℃ high rate discharge capacity	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.9		2022-06-28
		7	Charge retention and recovery	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.1		2022-06-28
		8	Storage	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.11		2022-06-28

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		№	Item/ Parameter			
		9	Cycle	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.12		2022-06-28
		10	Vibration	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.13		2022-06-28
		11	Endurance on permanent charge	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.14.1		2022-06-28
		12	Overcharge and Overdischarge	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.14.2		2022-06-28
		13	Heating test	《Lead-acid batteries for electric road vehicles》 GB/Z 18333.1-2001 条款 6.15.2		2022-06-28
48	Lead-acid starter batteries	1	Micro-hybrid test	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 条款 7.1		2022-06-28
		2	Dynamic Charge acceptance test	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 条款 7.2		2022-06-28
		3	Endurance in cycle test with 17,5 % depth of discharge	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 条款 7.3		2022-06-28
		4	Endurance in cycle test with 50 % depth of discharge (DoD) at 40 °C and preceded deep discharge	《Lead-acid starter batteries - Part6 Batteries for Micro-Cycle Applications》 EN 50342-6-2015 条款 7.4		2022-06-28
49	civil lead-acid battery	1	Discharge of high temperature	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 条款 5.3		2022-06-28
		2	Overcharge	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 条款 5.4		2022-06-28

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		№	Item/ Parameter			
		3	High temperature tolerance	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 条款 5.8		2022-06-28
		4	Protection against electic shock	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 条款 5.11		2022-06-28
		5	Insulating	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 条款 5.12		2022-06-28
50	battery	1	Overcharge of rechargeable battery	《Information technology equipment Safety Part 1:General requirement》 GB 4943.1-2011 条款 4.3.8		2022-06-28
		2	Uintentional charge of the unrechargeable battery	《Information technology equipment Safety Part 1:General requirement》 GB 4943.1-2011 条款 4.3.8		2022-06-28
		3	Reverse charge of rechargeable battery	《Information technology equipment Safety Part 1:General requirement》 GB 4943.1-2011 条款 4.3.8		2022-06-28
		4	The rate of excess of any battery	《Information technology equipment Safety Part 1:General requirement》 GB 4943.1-2011 条款 4.3.8		2022-06-28
		5	Elecrtic strength	《Information technology equipment Safety Part 1:General requirement》 GB 4943.1-2011 条款 5.2		2022-06-28
51	lithiun-ion battery pack used in solar street lampa	1	capacity(25℃)	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.1		2022-06-28
		2	capacity at low temperature	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.2		2022-06-28
		3	capacity retention and recover	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.3		2022-06-28
		4	temperature cycling	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.5		2022-06-28
		5	virbration	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		6	stress relief	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.8		2022-06-28
		7	high temperature	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.10		2022-06-28
		8	flame retardant requirement	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.12		2022-06-28
		9	overvoltage charge control	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.13.1		2022-06-28
		10	overcurrent charge control	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.13.2		2022-06-28
		11	under voltage control	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.13.3		2022-06-28
		12	overcurrent discharge control	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.13.4		2022-06-28
		13	reverse charge control	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.13.6		2022-06-28
		14	overheating control	Technical specification for lithiun-ion battery pack used in solar street lampa CQC1126-2017 4.3.13.7		2022-06-28
52	Valve-regulated lead-acid batteries for moped	1	Dimention	《Valve-regulated lead-acid batteries for moped-Part2:Kinds of products and specifications》 GB/T 22199.2-2017		2022-06-28
		2	2hr capacity	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.5		2022-06-28
		3	High rate discharge	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.6		2022-06-28
		4	Capacity retention	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.7		2022-06-28
		5	Energy density	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	-18℃ performance	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.9.1		2022-06-28
		7	-10℃ performance	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.9.2		2022-06-28
		8	High speed charge capability	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.10		2022-06-28
		9	Reliability of life	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.11		2022-06-28
		10	Cycle life	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.12		2022-06-28
		11	Valve open and close pressure	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.13		2022-06-28
		12	Vibration	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.15		2022-06-28
		13	Explosion-proof capability	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.16		2022-06-28
		14	Polarity	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 4.1.4		2022-06-28
		15	Constant power discharge capability	《Valve-regulated lead-acid batteries for moped-Part1:Technical conditions》 GB/T 22199.1-2017 5.18		2022-06-28
53	solar home system	1	Visual inspection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.1.1		2022-06-28
		2	Hail test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.1.4.9		2022-06-28
		3	Disconnect with full charge and recovery function	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.3		2022-06-28

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		№	Item/ Parameter			
		4	Temperature compensation	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.5		2022-06-28
		5	Disconnect with overdischarge and recovery function	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.6		2022-06-28
		6	loss without load	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.7		2022-06-28
		7	Controller charge and discharge circuit voltage drop	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.8		2022-06-28
		8	Vibration resistance	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.9		2022-06-28
		9	Load short-circuit protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.10.1		2022-06-28
		10	Internal short circuit protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.10.2		2022-06-28
		11	Reverse-discharge protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.10.3		2022-06-28
		12	Reverse polarity protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.10.4		2022-06-28
		13	Impact resistence voltage	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.11		2022-06-28
		14	Impact resistance current	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.12		2022-06-28
		15	Low temperature storage test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.13.1		2022-06-28
		16	Low temperature test	《solar home system specificiations and test procedure》 GB/T		2022-06-28

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				19064-2003 条款 8.2.13.2		
		17	High temperature storage test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.13.3		2022-06-28
		18	High temperature test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.13.4		2022-06-28
		19	Damp heat test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.2.13.5		2022-06-28
		20	Start performance	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.3.4		2022-06-28
		21	Rated power	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 6.4.2.1		2022-06-28
		22	Life expectancy	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 6.4.5		2022-06-28
		23	Working frequency	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 6.4.7		2022-06-28
		24	Output voltage range	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.2		2022-06-28
		25	Output frenquency	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.3		2022-06-28
		26	The output voltage waveform distortion	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.4		2022-06-28
		27	Efficiency	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.5		2022-06-28
		28	Noise	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.6		2022-06-28

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		29	Load capacity	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.7		2022-06-28
		30	Quiescent Current	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.8		2022-06-28
		31	Undervoltage protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.9.1		2022-06-28
		32	Overcurrent protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.9.2		2022-06-28
		33	Short circuit protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.9.3		2022-06-28
		34	Reverse polarity protection	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.9.4		2022-06-28
		35	Insulation resistance	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 6.5.11.1		2022-06-28
		36	Insulation strength	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 6.5.11.2		2022-06-28
		37	Output Security	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 6.5.12		2022-06-28
		38	Low temperature storage test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.11.1		2022-06-28
		39	Low temperature test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.11.2		2022-06-28
		40	High temperature storage test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.11.3		2022-06-28
		41	High temperature test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.11.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		42	Damp heat test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.11.5		2022-06-28
		43	Vibration test	《solar home system specificiations and test procedure》 GB/T 19064-2003 条款 8.4.11.6		2022-06-28
54	LED lamps for road lighting	1	Dimensions	《LED lamps for road lighting-performance specification》 GB/T 24907-2010 条款 6.2		2022-06-28
55	LED road and street lighting systems	1	depth of discharge	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 条款 6.1		2022-06-28
		2	conversion efficiency	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 条款 6.2		2022-06-28
		3	autonomous run time	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 条款 6.3		2022-06-28
		4	recovery test	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 条款 6.4		2022-06-28
		5	controller	《Certification criteria for Photovoltaic supplied LED road and street lighting system》 CQC 1602-2013 条款 6.5		2022-06-28
56	electric vehicle conductive charging system	1	Protection against electric shock	《Electric vehicle conductive charging system-art1:General requirements》 IEC 61851-1-2017 8	Accredited only for 8.1 Degrees of protection against access to hazardous-live-parts,8.2. Stored energy	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	IP degrees	《Degrees of protection provided by enclosures (IP Code)》 IEC 60529-2013		2022-06-28
		3	Insulation resistance	《Electric vehicle conductive charging system-art1:General requirements》 IEC 61851-1-2017 12.5		2022-06-28
		4	Touch current	《Electric vehicle conductive charging system-art1:General requirements》 IEC 61851-1-2017 12.6		2022-06-28
		5	AC withstand voltage	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 61851-1-2017 12.7.1		2022-06-28
		6	Impulse dielectric withstand (1,2 μs/50 μs)	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 61851-1-2017 12.7.2		2022-06-28
		7	Damp heat functional test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 60068-2-30-2005 Test Db		2022-06-28
		8	Minimum temperature functional test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 IEC 60068-2-1-2007 test Ab		2022-06-28
57	battery management system	1	Insulation resistance	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.2		2022-06-28
		2	Insulation withstand voltage	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.3		2022-06-28
		3	SOC test	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.5		2022-06-28
		4	Fault diagnosis	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.6		2022-06-28
		5	Overvoltage operation	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.7		2022-06-28
		6	Under voltage operation	《Technical specification of battery management system for		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				electric vehicles》 QC/T 897-2011 条款 5.8		
		7	High temperature operation	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.9		2022-06-28
		8	Low temperature operation	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.10		2022-06-28
		9	High temperature resistance	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.11		2022-06-28
		10	Low temperature resistance	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.12		2022-06-28
		11	Resistance to damp heat resistance	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.15		2022-06-28
		12	Vibration resistance	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.16		2022-06-28
		13	Resistance to reverse connection of power supply	《Technical specification of battery management system for electric vehicles》 QC/T 897-2011 条款 5.17		2022-06-28
58	Connection set for conductive charging of electric vehicles	1	Latching of the retaining device	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 条款 7.3		2022-06-28
		2	Insert pull force	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 条款 7.4		2022-06-28
		3	protection grade	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 条款 7.9		2022-06-28
		4	breaking capacity	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 条款 7.11		2022-06-28
		5	The service life (normal operation)	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 条款 7.12		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Temperature rise	《Connection set for conductive charging of electric vehicles - Part 1:General requirements》 GB/T 20234.1-2015 条款 7.13		2022-06-28
59	AC charging coupler	1	rating of the Ac charging interface	《Connection set for conductive charging of electric vehicles - Part 2:AC charging coupler》 GB/T 20234.2-2015 条款 5		2022-06-28
		2	The structure size and installation size	《Connection set for conductive charging of electric vehicles - Part 2:AC charging coupler》 GB/T 20234.2-2015 条款 7		2022-06-28
60	DC charging coupler	1	rating of the Ac charging interface	《Connection set for conductive charging of electric vehicles - Part 3: DC charging coupler》 GB/T 20234.3-2015 条款 5		2022-06-28
		2	The structure size and installation size	《Connection set for conductive charging of electric vehicles - Part 3: DC charging coupler》 GB/T 20234.3-2015 条款 7		2022-06-28
61	Electric vehicle conductive charging system	1	Charging cable overload protection	《Electric vehicle conductive charging system Part 1: General requirements》 GB/T 18487.1-2015 条款 12.2		2022-06-28
		2	Charging cable Short circuit protection	《Electric vehicle conductive charging system Part 1: General requirements》 GB/T 18487.1-2015 条款 12.3		2022-06-28
		3	The temperature rise of the limit	《Electric vehicle conductive charging system Part 1: General requirements》 GB/T 18487.1-2015 条款 11.6.2		2022-06-28
62	electric vehicle conduction charging system	1	Protection against electric shock	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 7.2		2022-06-28
		2	Capacitance discharge	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 7.3		2022-06-28
		3	Impact of current	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 9.7		2022-06-28
		4	Touch current	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.2		2022-06-28
		5	Insulation resistance	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Dielectric strength	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.4		2022-06-28
		7	The impact pressure	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 11.5		2022-06-28
		8	scram	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 13		2022-06-28
		9	Control circuit parameters test	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 附录 A.1	Accredited only for: voltage testing point 1, output frequency power supply equipment, the output duty cycle of tolerance	2022-06-28
		10	Control circuit parameters test	《Electric vehicle conduction charging system-Part1:General requirements》 GB/T 18487.1-2015 附录 B.2	Accredited only for the voltage test point 1	2022-06-28
63	Lithium-ion batteries for electric mopeds	1	overcharge protection	《Lithium-ioc traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.15		2022-06-28
		2	overdischarge protection	《Lithium-ioc traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.16		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	over-temperature protection	《Lithium-ioc traction battery pack and system for electric vehicles-Part 3:Safety requirements and test methods》 GB/T 31467.3-2015 7.13		2022-06-28
		4	insulation resistance of battery system	《Electrically propelled road vehicles-Safety specifications-Part 1: On-board rechargeable energy storage system (REESS)》 GB/T 18384.1-2015 5.1.4		2022-06-28
64	Lithium-ion batteries for electric mopeds		Part parameter	《Lithium-ion battery for electric mopeds and motorcycles》 GB/T 36672-2018	except for external fire、power line、control line.high altitude、impact、short-circuit protection 、seawater immersion 、drop test in Dongting	2022-06-28
65	Lithium-ion battery for electric bicycle		Part parameter	《Lithium-ion battery for electric bicycle》 GB/T 36972-2018	over charge、forced discharge 、external short circuit、	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					extrusion、mechanical shock、free fall、infrabar、soaking water、electrostatic discharge、flame-resistance of shell test in Dongting	
66	Lithium ion battery for electrical energy storage		Part parameter	《Lithium ion battery for electrical energy storage》 GB/T 36276-2018	short circuit test、squeezing test、drop test、low pressure test、thermal runaway test、Heat runaway diffusion test in Dongting	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
67	Valve-regulated lead-acid batteries for moped		all parameter	《Valve-regulated lead-acid batteries for moped》 T/ZJXDC 001-2018	external short-circuit、shock test in Dongting	2022-06-28
68	Lead-acid traction batteries		all parameter	《Lead-acid traction batteries Part 1：Technical conditions》 GB/T 7403.1-2018		2022-06-28
69	off-board charger		All parameters	Inspection and test specifications for electric vehicle charging equipment Part 1: off-board charger NB/T 33008.1-2018	The electromagnetic compatibility project was launched in dongting	2022-06-28
70	electric vehicle off-board conductive charger		Part of the parameters	Specification for electric vehicle off-board conductive charger NB/T 33001-2018	except for three (mildew) protection, wind protection. The electromagnetic compatibility project was launched in	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					dongting	
71	electric vehicle AC charging point		Part of the parameters	Specification for electric vehicle AC charging spot NB/T 33002-2018	except for three (mildew) protection. The electromagnetic compatibility project was launched in dongting	2022-06-28
72	charging spot		All parameters	Inspection and test specifications for electric vehicle charging equipment Part 2: A.C.charging spot NB/T 33008.2-2018	The electromagnetic compatibility project was launched in dongting	2022-06-28
73	Secondary lithium-ion cells for the propulsion of electric road vehicles		All Parameters	《Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 1:Performance testing》 IEC 62660-1-2018		2022-06-28
74	Secondary lithium-ion cells for the		All Parameters	《Secondary lithium-ion cells for the propulsion of electric road vehicles – Part 2:Reliability and abuse testing》 IEC 62660-2-		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	propulsion of electric road vehicles			2018		
75	Container and lid for lead-acid storage batteries		Part of Parameters	《Container and lid for lead-acid storage batteries》 GB/T 23754-2019	Test Only Appearance、Resistance to impact、Thermal stability、Flame retardancy	2022-06-28
76	Nickel-cadmium		All Parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Portable sealed rechargeable single cells-Part 1:Nickel-cadmium》 IEC 61951-1-2017		2022-06-28
77	Nickel-metal hydride		All Parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes -Portable sealed rechargeable single cells-Part 2:Nickel-metal hydride》 IEC 61951-2-2017		2022-06-28
78	Lead-acid starter batteries		All Parameters	《Lead-acid starter batteries Part 1: General requirements and methods of test》 IEC 60095-1-2018		2022-06-28
79	Batteries for use in light electric vehicle (LEV)		all parameters	《Batteries for use in light electric vehicle (LEV) allications》 UL 2271-2018	short sircuit、over-charging、over-discharging、shock、crush test、drop	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					carry out at Dongting	
80	Batteries for use in light electric vehicle (LEV)	1	isolation reisitance method	《Elevtrically propelled road vehicles-Safetyspecifications- Part 3: Electrical safety》 ISO 6469-3-2018 10.3		2022-06-28
		2	vibration endurance test	《Electrically propelled road vehicles-Test specification for lithium-ion traction battery packs and systems-Part 1: High-power applications》 ISO 12405-1-2011 8.2		2022-06-28
		3	thermal cycling test	《Electric and hybird electric vehicle rechargeable energy storage system (Ress) safety and abuse testing》 SAE J2464-2009 4.4.4		2022-06-28
81	LiFePO4 battery system for telecommunications		all parameters	《LiFePO4 battery system for telecommunications-part1: intergrated battery system》 YD/T2344.1-2011	heavy impact test、heat shock test、over charge test、over discharge test、short circuit test、dry heat storage、heating test、acupuncture test、crushing test、low	2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					pressure test、shock test、electrostatic discharge immunity test、conductive disturbance limit、surge immunity test carry out at Dongting	
82	LiFePO4 battery system for telecommunications		all parameters	《LiFePO4 battery system for telecommunications-part2:discrete battery system》 YD/T2344.2-2015	acupuncture test、crushing test、external short circuit、electrostatic discharge immunity test、conductive disturbance limit、	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					radioactive disturbance limit、surge immunity test carry out at Dongting	
83	LiFePO4 battery system for telecommunications	1	cold test for non heat-dissipating specimens with gradual change of temperature	《Encironmental testing for electric and electronic products-Part : Test methods-Test A: Cold》 GB/T2423.1-2001 18	only quoted by standard YD/T2344.2-2015	2022-06-28
		2	cold test for heat-dissipating specimens with gradual change of temperature	《Encironmental testing for electric and electronic products-Part : Test methods-Test A: Cold》 GB/T2423.1-2001 29	only quoted by standard YD/T2344.2-2015	2022-06-28
		3	dry heat test for non heat-dissipating specimens with gradual change of temperature	《Encironmental testing for electric and electronic products-Part : Test methods-Test B: Dry heat》 GB/T2423.2-2001 18	only quoted by standard YD/T2344.2-2015	2022-06-28
84	ultra-capacity for electric vehicles		all parameters	《ultra-capacity for electric vehicles》 QC/T741-2014	over discharging、short sircuit、over-charging、falling、	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					heating、crushing、acupuncture test、sea water immersion carry out at Dongting	
85	Electric double-layer capacitors for use in hybrid electric vehicles		all parameters	《Electric double-layer capacitors for use in hybrid electric vehicles - Test methods for electrical characteristics》 IEC 62576：2018		2022-06-28
86	power supercapacitor		all parameters	《Power supercapacitor electrical performance test methods》 SJ/T11582-2016		2022-06-28
87	Lithium cobalt oxide		part of parameters	《Lithium cobalt oxide》 GB/T 20252-2014	except for crystal structure；water content carry out at Dongting	2022-06-28
88	Lithium cobalt oxide	1	discharge specific capacity of the first cycle	《electrochemical performance test of lithium cobalt oxide-Test method for specific capacity and charge-discharge efficiency of the first cycle》 GB/T 23365-2009 5.1		2022-06-28
		2	charge-discharge efficiency of the first cycle	《electrochemical performance test of lithium cobalt oxide-Test method for specific capacity and charge-discharge efficiency of the first cycle》 GB/T 23365-2009 5.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	discharge plateau capacity ratio	《electrochemical performance test of lithium cobalt oxide-Test method for discharge plateau capacity ratio and cycle life》 GB/T 23366-2009 5.6		2022-06-28
		4	cycle life	《electrochemical performance test of lithium cobalt oxide-Test method for discharge plateau capacity ratio and cycle life》 GB/T 23366-2009 5.7		2022-06-28
		5	cobalt content	《Methods for chemical ananlysis of lithium cobalt oxide-Part 1: Determination of cobalt content-EDTA titration》 GB/T23367.1-2009 5.4		2022-06-28
		6	lithium, nickel, manganese, aluminium, iron, sodium, calcium and copper content	《Methods for chemical ananlysis of lithium cobalt oxide-Part 2: Determination of lithium, nickel, manganese, aluminium, iron, sodium, calcium and copper content. Inductively coupled plasma atomic emission spectrometry》 GB/T23367.2-2009 6.4		2022-06-28
89	carbon composite lithium iron phosphate		part of parameters	《Lithium iron phosphate-carbon composite cathode materials for lithium ion battery》 GB/T 30835-2014	except for crystal structure; water content carry out at Dongting	2022-06-28
90	Lithium nickel oxide		part of parameters	《Lithium nickel oxide》 GB/T 26031-2010	except for crystal structure; water content carry out at Dongting	2022-06-28
91	Lithium nickel		part of parameters	《Lithium nickel cobalt manganese oxide》 YS/T 798-2012	except for	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	cobalt manganese oxide				crystal structure; water content carry out at Dongting	
92	Lithium nickel cobalt aluminum oxide		part of parameters	《Lithium nickel cobalt aluminum oxide》 YS/T 1125-2016	except for crystal structure; water content carry out at Dongting	2022-06-28
93	Graphite negative electrode materials for lithium ion battery		part of parameters	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2019	except for interplanar spacing d002 and graphitization degree,nographite orientation, no organic compound content; water content carry out at Dongting	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
94	Lithium titanium oxide and its carbon composite anode materials for lithium ion battery		part of parameters	《Lithium titanium oxide and its carbon composite anode materials for lithium ion battery》 GB/T 30836-2014	water except for crystal stucture、anatase TiO2 peak intensities ratio、Rutile TiO2 peak intensities ratio；content carry out at Dongting	2022-06-28
95	Lithium titanium oxide and its carbon composite anode materials for lithium ion battery	1	true density	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.7	only quoted by standard GB/T 30836-2014	2022-06-28
		2	coulombic efficiency of the first cycle	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.9	only quoted by standard GB/T 30836-2014	2022-06-28
		3	reversible specific capacity of the first cycle	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.10	only quoted by standard GB/T 30836-2014	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	iron content	《 Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2019 6.11	only quoted by standard GB/T 30836-2014	2022-06-28
		5	negative ion (Cl-,SO42-）content	《 Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2019 6.12	only quoted by standard GB/T 30836-2014	2022-06-28
		6	magnetic impurities content	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.14	only quoted by standard GB/T 30836-2014、GB/T 20252-2014	2022-06-28
		7	powder compacted density	《Graphite negative electrode materials for lithium ion battery》 GB/T 24533-2009 6.15	only quoted by standard GB/T 30836-2014、GB/T 30835-2014	2022-06-28
		8	magnetic impurities	《Determination of magnetic impurities in anode nanomaterials for Li-ion battery》 GB/T 33827-2017 8		2022-06-28
96	cell liquor of lithium		all parameters	《Analytic method for lithium hexafluorophosphate》 GB/T 19282-2014		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	hexafluorophosphate					
97	cell liquor of lithium hexafluorophosphate		all parameters	《Cell liquor of lithium hexafluorophosphate》 HG/T 4067-2015		2022-06-28
98	solvent for electrolyte solution used in lithium ion battery		all parameters	《solvent for electrolyte solution used in lithium ion battery》 SJ/T 11568-2016		2022-06-28
99	cell seperation		part of parameters	《General test methods of the fundamental properties of alkaline battery membrane》 SJ/T 10171-2016	except for area resistance,alkali absorption ratio (semipermeable membrane), maximum aperture, acetic acid binding capacity	2022-06-28
100	cell materials	1	pH value	《General methods of test for pigments and extenders—Part 6:Determination of pH value of an aqueous suspension》 GB/T 5211.6-2020 3		2022-06-28
				《chemical reagent-General rule for the determination of pH》 GB/T 9724-2007 6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	residual Alkali content	《Chemical reagent-General method for the determination of acidity and alkalinity》 GB/T 9736-2008 5		2022-06-28
		3	specific surface area	《Metallic power-Dtermination of the specific surface area-Method of nitrogen adsorption》 GB/T 13390-2008 7		2022-06-28
		4	BET specific surface area	《Determination of the specific surface area of solids by gas adsoption using the BET method》 GB/T 19587-2017 6.3.1		2022-06-28
		5	carbon content	《Steel and iron-Determination of total carbon and sulfur content Infrared absorption method after combustion in an induction furnace (routine method)》 GB/T 20123-2006 8		2022-06-28
		6	content of fixed carbon	《method for chemical analysis of graphite》 GB/T 3521-2008 4.4		2022-06-28
		7	chromaticity	《Color determination method of liquid chemicals (Hazen unit-platinum-cobalt scale》 GB/T 3143-1982 5		2022-06-28
		8	residual Alkali content	《methods for testing underground water quality: determination of carbonate, bicarbonate and hyfroxyl-titration 》 DZ/T 0064.49-2021 4		2022-06-28
101	seperation	1	air permeability	《Paper and board- Determination of air permeance》 GB/T 458-2008 4		2022-06-28
102	primary and secondary lithium cells and batteries		all parameters	《safety of primary and secondary lithium cells and batteries during transport》 GB21966-2008 IEC 62281 ： 2004	altitude、shock、short sircuit、over-charging、forced discharging 、heavy impact、	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					falling carry out at Dngting	
103	secondary cells and batteries containing alkaline or other non-acid electrolytes		all parameters	《secondary cells and batteries containing alkaline or other non-acid electrolytes-safety requirements forportable sealed secondary cells, and for batteries made from them, for use in portable applications》 GB/T 28164-2011 IEC 62133：2002	incorrect installation of a cell (nickel systems only)、free fall、external short circuit、mechanical shock (crash hazard)、thermal abuse、crushing of cells、low pressure、overcharge for nickel systems、overcharge for lithium system、forced	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					discharge 、cell pretection against a high charging rate (lithium system only) carry out at Dongting	
104	Secondary cells and batteries containing alkaline or other non-acid electrolytes		all parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary sealed cells and batteries for portable applications – Part 1: Nickel-cadmium》 GB/T 22084.1-2008 IEC 61951-1：2003		2022-06-28
105	secondary cells and batteries containing alkaline or other non-acid electrolytes		all parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Mechanical tests for sealed portable secondary cells and batteries》 GB/T 28163-2011 IEC 61959：2004	free fall carry out at Dongting	2022-06-28
106	secondary cells and batteries containing alkaline or other non-acid		all parameters	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications 》 GB/T 30426-2013 IEC 61960：2003	electrostatic discharge at Dongting	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	electrolytes					
107	Secondary cells and batteries containing alkaline or other non-acid electrolytes	1	mechanical tests	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary sealed cells and batteries for portable applications – Part 1: Nickel-cadmium》 IEC 61959：2004 8		2022-06-28
		2	electrostatic discharge	《Secondary cells and batteries containing alkaline or other non-acid electrolytes – Secondary lithium cells and batteries for portable applications 》 GB/T17626.2-2006 7.7		2022-06-28
108	lithium batteries		all parameters	《Tests for lithium batteries transported by air》 MH/T 1052-2013	Altitude、shock test、external short circuit、shock, crushing test、overcharge test、forced discharge test、package 1.2m free fall test carry out at Dongting	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
109	Lithium-ion traction battery pack and system for electric vehicles		all parameters	Lithium-ion traction battery pack and system for electric vehicles-- Part 1: Test specification for high power applications GB/T 31467.1-2015		2022-06-28
110	Lithium-ion traction battery pack and system for electric vehicles		all parameters	Lithium-ion traction battery pack and system for electric vehicles-- Part 2: Test specification for high energy applications GB/T 31467.2-2015		2022-06-28
111	Lithium-ion cells for electric vehicles		all parameters	safety inspection of import and export secondary cells and batteries-Part 5: Lithium-ion cells for electric vehicles SN/T 1414.5-2016	short sircuit、over-charging、forced discharging、machanical shock、crushing carry out at Dongting	2022-06-28
112	Lithium-ion cells for electric vehicles	1	vibration	environmental testing-Part2-64: Test Fh: Vibration, broadband random and guidance IEC 60068-2-64-2008 8		2022-06-28
113	traction battery used in electric		all parameters	recycling traction battery used in electric vehicle-Test of residual capacity GB/T 34015-2017		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	vehicle					
114	traction battery system for electric vehicles		all parameters	general requirement of traction battery system for electric vehicles QC/T 1023-2015		2022-06-28
115	battery material		Part of parameters	《Lithium iron phosphate》 YS/T 1027-2015	except for crystal stucture、water content carry out at Dongting	2022-06-28
116	battery material		Part of parameters	《Lithium-riched manganese cathode material》 YS/T 1030-2017	except for crystal stucture、water content carry out at Dongting	2022-06-28
117	battery material		Part of parameters	《Lithium manganese oxide》 YS/T 677-2016	except for crystal stucture、water content carry out at Dongting	2022-06-28
118	Lithium manganese oxide		all parameters	《Aluminum case for power lithium battery》 YS/T 914-2013		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
119	Adhesive tapes for electrode protect in lithium battery		Part of parameters	《Adhesive tapes for electrode protect in lithium battery》 HG/T 5055-2016	excep for halogen	2022-06-28
120	Nickel foam for battery		Part of parameters	《Nickel foam for battery》 GB/T 20251-2006	excep for mechanical property、physical property	2022-06-28
121	copper foil		all parameters	《Electrodeposited copper foil for lithium ion battery》 SJ/T 11483-2014		2022-06-28
122	Aluminium and aluminium alloy foil		all parameters	《Aluminium and aluminium alloy foil for lithium ion batteries》 GB/T 33143-2016		2022-06-28
123	battery for electric vehicles		all parameters	《Dimension of traction battery for electric vehicles》 GB/T 34013-2017		2022-06-28
124	battery for electric vehicles		all parameters	《Specification and dimension of traction battery for electric vehicles》 QC/T 840-2010		2022-06-28
125	Lithium-ion batteries for electric bicycle		all parameters	《Specification and dimension of Lithium-ion batteries for electric bicycle》 QB/T 4428-2012		2022-06-28
126	Battery system of multi-rotor unmanned aircraft		Part of parameters	《Test methods for civil multi-rotor unmanned aircraft system》 GB/T 38058-2019	Accredited only for battery system test,,except for overcharge	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					、overdischarge、short-circuit 、low pressure 、drop、crush、excessive heat、soak carry out	
127	Lithium ion battery		Part of parameters	《General specification for Li-ion batteries》 GJB 4477-2002	except for electromagnetic radiation resistance 、bolt,、shock、vibrate、drop、temperature shock、immersion 、short-circuit、overcharge 、crush、acupuncture、	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					overdischarge	
128	Lithium ion battery		Part of parameters	《Ceneral specification of lithium ion batteries for motorcycle starting》 QC/T 1094-2018	except for vibrate、overdischarge recovery characteristics、overcharge 、short-circuit、drop test、heat test、crush、acupuncture test、sealing property during lifting	2022-06-28
129	battery management system		Part of parameters	《Technical specifications of battery management system for electric vehicles》 GB/T38661-2020	except for conducted disturbance 、radiation disturbance 、transient conducted immunity of power	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					line、transient conducted immunity of signal line / control line、electrical fast transient burst immunity 、radiated immunity 、electrostatic discharge 、short circuit protection 、sinusoidal vibration、random vibration、mechanical impact	

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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130	portable source		Part of parameters	《Information technology——General specification for portable digital equipments used power bank》 GB/T35590-2017	except for overcharge protection 、over discharge protection 、short circuit protection 、overload protection 、vibration、collision、free fall ；flame retardant material、radio disturbance 、mmunity carry out at dongting	2022-06-28
131	Lithium ion battery management system		all parameters	《Technical standard for battery management system of elecrroemical energy stroage station》 GB/T34131-2017	electrostatic discharge immunity test、electrical fast	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					transient burst immunity test、surge (impact) radiation immunity test、power frequency magnetic field immunity test、shock wave immunity carry out at dongting	
132	battery management system		all parameters	《Functional safety requirements and testing methods for battery management system of electric vehicles》 GB/T39086-2020		2022-06-28
133	lead-acid batteries		Part of parameters	《lValve-regulated lead-acid batteries for electric bicycle》 T/ZJXDC 001-2021	flame retardant carry out at dongting,except for external short circuit 、shock	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
134	Lithium Ion Batteries		Part of parameters	《Technical Specification For Lithium Ion Batteries Of Electrochemical Energy Storage Station》 NB/T 42091-2016	except for overdischarge、overcharge、short circuit、drop、crush	2022-06-28
135	Lithium-ion Traction Battery Of Electric Vehicles		Part of parameters	《Test Specification For Lithium-ion Traction Battery Of Electric Vehicles》 NB/T 33024-2016	except for overcharge、overdischarge、short-circuit、drop、heat、pathergytest、vibrate、overcharge protection、overdischarge protection、short-circuit protetion、overload	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					protection、high temperature operation test、low temperature operation test、temperature control system failure test、insulation resistance、power frequency withstand voltage、shock、vibrate、immersion, conducted emission limit values、radiated Emission limit、	

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					surge immunity carry out at dongting	
136	Lead-carbon battery		Part of parameters	《Lead-carbon battery for electrical energy storage》 GB/T 36280-2018	Flame retardant carry out at dongting,except for short circuit protection	2022-06-28
137	battery material	1	thickness	《Test method for thickness of adhesive tapes》 GB/T 7125-2014 5.2.3		2022-06-28
		2	peel adhesion	《Measurement of peel adhesion properties for adhesive tapes》 GB/T 2792-2014 5.3.1		2022-06-28
		3	tensile strength and elongation after fracture	《Metallic materials-Tensile testing-Part 1:Method of test at room temperature》 GB/T 228.1-2021 20		2022-06-28
		4	Electrodeposited copper foil	《Electrodeposited copper foil》 GB/T5230-1995 附录 B,D		2022-06-28
		5	copper and copper alloys	《Methods for chemical analysis of copper and copper alloys-Part 1:Determination of copper content》 GB/T 5121.1-2008 1.6		2022-06-28
		6	aluminium and aluminium alloy foils	《Test methods for aluminium and aluminium alloy foils-Part 4:Determination of surface wetting tension》 GB/T 22638.4-2008 6		2022-06-28
		7	wrought aluminium and aluminium alloys	《Chemical composition of wrought aluminium and aluminium alloys》 GB/T3190-2020 3.3		2022-06-28
		8	aluminium and aluminium alloy	《Test methods for aluminium and aluminium alloy foils-Part		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			foils	1:Determination of thickness by gravimetric method》 GB/T 22638.1-2008 4		
		9	chemical components	《Methods for chemical analysis of lithium nickel cobalt manganese--Part 2: Determination of lithium, nickel,cobalt,manganese,sodium,magnesium,aluminium,potassium,copper,calcium,iron,zinc and silicon content--Inductively coupled plasma atomic emission spectrometry》 YS/T 1006.2-2014 5.1		2022-06-28
		10	wrought aluminium and magnesium alloys products	《Test pieces and method for tensile test for wrought aluminium and magnesium alloys products》 GB/T 16865-2013 6		2022-06-28
		11	aluminium and aluminium alloy foils	《Test methods for aluminium and aluminium alloy foils-Part 2:Determination of porosity》 GB/T 22638.2-2008 6		2022-06-28
138	electrical and electronic	1	Insulation strength test	《Electric vehicles——Safety specification Part 3：Protection of persons against electric hazards》 GB/T18384.3-2001 6.2		2022-06-28
		2	Electrical safety of the whole machine	《Information technology equipment——Safeyt——Part1:General requirements》 GB4943.1-2011 4.2.6		2022-06-28
		3	Stress relief	《Information technology equipment——Safeyt——Part1:General requirements》 GB4943.1-2011 4.2.7		2022-06-28
		4	Restricted power supply	《Information technology equipment——Safeyt——Part1:General requirements》 GB4943.1-2011 2.5		2022-06-28
		5	DC supply voltage	《Road vehicles——Environmental conditions and testing for electrical and electronic——Part2：Electrical loads》 GB/T28046.2-2011 4.2		2022-06-28
		6	Overvoltage	《Road vehicles——Environmental conditions and testing for electrical and electronic——Part2：Electrical loads》 GB/T28046.2-2011 4.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Superimposed AC voltage	《Road vehicles——Environmental conditions and testing for electrical and electronic——Part2：Electrical loads》GB/T28046.2-2011 4.4		2022-06-28
		8	Balance test method: supply voltage drop and rise slowly	《Road vehicles——Environmental conditions and testing for electrical and electronic——Part2：Electrical loads》GB/T28046.2-2011 4.5		2022-06-28
		9	Transient change of supply voltage	《Road vehicles——Environmental conditions and testing for electrical and electronic——Part2：Electrical loads》GB/T28046.2-2011 4.6		2022-06-28
		10	Reverse voltage	《Road vehicles——Environmental conditions and testing for electrical and electronic——Part2：Electrical loads》GB/T28046.2-2011 4.7		2022-06-28
		11	Low temperature performance	《Road vehicles——Environmental conditions and testing for electrical and electronic equipment——Part4：CLimatic loads》GB/T28046.4-2011 5.1.1		2022-06-28
		12	High temperature performance	《Road vehicles——Environmental conditions and testing for electrical and electronic equipment——Part4：CLimatic loads》GB/T28046.4-2011 5.1.2		2022-06-28
		13	temperature gradient	《Road vehicles——Environmental conditions and testing for electrical and electronic equipment——Part4：CLimatic loads》GB/T28046.4-2011 5.2		2022-06-28
		14	Temperature cycle	《Road vehicles——Environmental conditions and testing for electrical and electronic equipment——Part4：CLimatic loads》GB/T28046.4-2011 5.3.1		2022-06-28
		15	Salt spray resistance	《Road vehicles——Environmental conditions and testing for electrical and electronic equipment——Part4：CLimatic loads》GB/T28046.4-2011 5.5.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Damp heat cycle	《Road vehicles——Environmental conditions and testing for electrical and electronic equipment——Part4：CLimatic loads》 GB/T28046.4-2011 5.6.2.2		2022-06-28
		17	leakage current	《Information technology equipment——Safety——Part 1:General requirements》 GB4943.1-2011 5.1		2022-06-28
		18	leakage current	《Information technology equipment——Safety——Part 1:General requirements》 GB4943.1-2011 5.2		2022-06-28
		19	thermal cycling test(LER motive application)	《Standard For Safety：Batteries for Use in Stationary,Vehicle Auxiliary Power and Light Electric Rail(LER) Applications》 UL 1973-2018 35		2022-06-28
		20	resistance to moisture test	《Degrees of protection provided by enclosures (IP Code)》 IEC 60529-2013 36		2022-06-28
		21	salt fog test	《Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)》 IEC 60068-2-52-2017 37		2022-06-28
		22	salt spray test	《Environmental testing - Part 2-52: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)》 IEC 60068-2-52-2017 40		2022-06-28
		23	temperature cycle/cell	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.1.6		2022-06-28
		24	temperature shock/pack(system)	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.8		2022-06-28
		25	salt fog/pack(system)	《Road vehicles-Environmental conditions and testing for electrical and electronic equipment-Part 4:Climatic loads》 GB/T 28046.4-2011 8.2.9		2022-06-28
139	electrochemical energy storage system		Part of parameters	《Test specification for electrochemical energy storage system connected to power grid》 GB/T 36548-2018	except for three-phase voltage unbalance test、	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					harmonic test、communication test	
140	Systems and Equipment		Part of parameters	《STANDARD FOR SAFETY：Systems and Equipment》ANSI /CAN/ UL 9540: 2020	except for leakage tests、strength tests、installation in seismic environments.Electromagnetic immunity tests is carried out in Dongting.	2022-06-28
141	Electric Vehicles Traction Battery	1	Damp heat cycle	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.5		2022-06-28
142	Lithium ion cells and batteries used in stationary electronic equipments	1	All parameters	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021	electrostatic discharge carry out at chunxindong road; High temperature	2022-11-15

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					external short circuit (battery)、Overcharge (battery)、Forced discharge (battery)、Low pressure (battery)、Vibration (battery)、Acceleration shock (battery)、Drop (battery)、Heavy impact/ extrusion (battery)、Heat abuse (battery)、Vibration(battery pack)、Acceleration shock	

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					(battery pack)、Drop (battery pack)at xinjin road;	
		2	Battery sample capacity test	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 4.6.3		2022-11-15
		3	Sample pretreatment	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 4.6.4		2022-11-15
		4	Safe working parameters	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 5.2		2022-11-15
		5	Identification requirements	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 5.3.1		2022-11-15
		6	warning specifications	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 5.3.2		2022-11-15
		7	Durability	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 5.3.3		2022-11-15
		8	Temperature cycle (battery)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 7.2		2022-11-15
		9	Temperature cycle (battery pack)	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 8.1		2022-11-15
		10	Overvoltage charging control	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 9.3		2022-11-15
		11	Overcurrent charging control	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 9.4		2022-11-15
		12	Undervoltage discharge control	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 9.5		2022-11-15
		13	overload control	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 9.6		2022-11-15

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Short circuit control	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 9.7		2022-11-15
		15	Reverse charging	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 9.8		2022-11-15
		16	Overheating control	Lithium ion cells and batteries used in stationary electronic equipments—Safety technical specification GB 40165-2021 9.9		2022-11-15
143	Lithium-ion power batteries for electric bicycle	1	All parameters	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022	Overcharge of cell、Overdischarge、External short circuit、Extrusion、Mechanical shock、Free fall、Low-pressure、Immerse in water at xinjin road;Shell flammability carry out at chunxindong road	2022-11-15

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Appearance	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.2.1		2022-11-15
		3	Dimensions	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.2.2		2022-11-15
		4	Charge and discharge interface	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.2.3		2022-11-15
		5	Electric shock protection	Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements GB/T 11918.1-2014 9		2022-11-15
		6	Terminals and ends	Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements GB/T 11918.1-2014 11		2022-11-15
		7	Socket structure	Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements GB/T 11918.1-2014 15		2022-11-15
		8	Plug and connector construction	Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements GB/T 11918.1-2014 16		2022-11-15
		9	Insulation resistance and electrical strength	Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements GB/T 11918.1-2014 19		2022-11-15
		10	Creepage distance and electrical clearance	Plugs, socket-outlet and couplers for industrial purposes-part 1: general requirements GB/T 11918.1-2014 26		2022-11-15
		11	Protection	Degrees of protection provided by enclosure (IP code) GB/T 4208-2017 5/6/7		2022-11-15
		12	Identification	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.2.4		2022-11-15
		13	Discharge with I_2(A) current	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.1		2022-11-15
		14	Discharge with $2I_2$(A) current	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.2		2022-11-15
		15	Discharge at low temperature	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.3		2022-11-15

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	Discharge at high temperature	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.4		2022-11-15
		17	Charge relenition capacity	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.5.1		2022-11-15
		18	Charge recovery capacity	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.5.2		2022-11-15
		19	Ability to recover under charge after long-term storage	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.6		2022-11-15
		20	Cycle life	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.3.7		2022-11-15
		21	Vibration	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.7		2022-11-15
		22	High and low temperature shock	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.4.10		2022-11-15
		23	Overcharge protection	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.5.2		2022-11-15
		24	Overdischarge protection	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.5.3		2022-11-15
		25	Short-circuit protection	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.5.4		2022-11-15
		26	Discharge overcurrent protection	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.5.5		2022-11-15
		27	Mold shell stress	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.6.1		2022-11-15
		28	Shell stress	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.6.2		2022-11-15
		29	Data acquisition function	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.7.1		2022-11-15

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		30	Overtemperature alarm function test	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.7.2.1		2022-11-15
		31	Overcurrent alarm	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.7.2.2		2022-11-15
		32	Cell overcharge alarm	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.7.2.3		2022-11-15
		33	Protection function	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.7.3		2022-11-15
		34	Communication and data upload function	Technical requirements of lithium-ion power batteries for electric bicycle T/BBIA 4-2022 6.7.4		2022-11-15
144	Valve-regulated lead-acid batteries for electric motorcycles and mopeds	1	All parameters	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022		2022-11-15
		2	Appearance	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.3.1		2022-11-15
		3	Polarity	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 6.1.2		2022-11-15
		4	Dimension	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.3.2		2022-11-15
		5	3hr capacity	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.4		2022-11-15
		6	1hr discharge time	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.5		2022-11-15
		7	Heavy current discharge	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.6		2022-11-15
		8	Capacity preservation rate	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.7		2022-11-15
		9	Weight specific energy	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.8		2022-11-15
		10	Low temperature discharge capacity	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.9		2022-11-15

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		11	Fast charging capacity test	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.1		2022-11-15
		12	Cycle durability	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.11		2022-11-15
		13	Cycle life	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.12		2022-11-15
		14	Valve pressure	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.13		2022-11-15
		15	Vibration resistance	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.14.1		2022-11-15
		16	Explosion proof capability	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.14.2		2022-11-15
		17	Overcharge	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.14.3		2022-11-15
		18	Mechanical impact	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.14.4		2022-11-15
		19	Free fall	Valve-regulated lead-acid batteries for electric motorcycles and mopeds T/ZJXDC 002-2022 7.14.5		2022-11-15
145	Valve-regulated lead-acid battery	1	shock	《Valve-regulated lead-acid batteries for moped》 T/ZJXDC 001-2021 7.14.5		2022-11-15
146	civil lead-acid battery	1	Mechanical shock	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.6		2022-11-15
		2	Reverse charge	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.13		2022-11-15
		3	Electrolyte leakage	《Safety technical specification for civil lead-acid battery》 GB/T 32504-2016 5.14		2022-11-15
147	Lithium ion battery	1	Temperature shock	《General specification for Li-ion batteries》 GJB 4477-2002 4.7.11		2022-11-15

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
148	Household and Commercial Batteries	1	Temperature Cycling Test	《Standard for safety Household and Commercial Batteries》 UL 2054-2022 28		2022-11-15
149	Lithium Batteries	1	Temperature Cycling Test	《STANDARD FOR SAFETY Lithium Batteries》 UL 1642-2020 18		2022-11-15
150	Lithium metal and lithium ion batteries	1	Thermal test	《 RELATING TO SUBSTANCES AND ARTICLES OF TRANSPORT Manual of tests and criteria》 ST/SG/AC.10/11/Rev.7 UN38.3 38.3.4.2		2022-11-15
151	Power cell fuel cell	1	Test method for energy density (PED) of power batteries	《Test method for relevant technical indexes of power cell and fuel cell (Trial)》 Letter of central Government No.2[2017] 1.2		2022-11-15
		2	Test method for maximum charge rate (CR) of power battery (including supercapacitor)	《Test method for relevant technical indexes of power cell and fuel cell (Trial)》 Letter of central Government No.2[2017] 2.2		2022-11-15
152	Electric Vehicles Traction Battery	1	Temperature shock	《Electric Vehicles Traction Battery Safety Requirements》 GB 38031-2020 8.2.8		2022-11-15
4、Photovoltaic raw and auxiliary material						
1	silicon material	1	Resistivity	Test method for measuring resistivity of monocrystal silicon-In-line four-point probe and direct current two-point method GB/T 1551-2021		2022-06-28
		2	Thickness	《Test method for thickness and total thickness variation of silicon slices》 GB/T 6618-2009		2022-06-28
		3	total thickness variation	《Test method for thickness and total thickness variation of silicon slices》 GB/T 6618-2009		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Carrier recombination lifetime	Test method for carrier recombination lifetime in silicon wafers and silicon ingots—Non-contact measurement of photoconductivity decay by microwave reflectance method GB/T 26068-2018		2022-06-28
		5	Minority carrier lifetime	《Test methods for minority carrier lifetime in bulk germanium and silicon by measurement of photoconductivity decay》 GB/T 1553-2009		2022-06-28
		6	Carbon content	《Test method for substitutional atomic carbon content of silicon by infrared absorption》 GB/T 1558-2009		2022-06-28
		7	total carbon content	《Determination of total carbon content in silicon powder-Infrared absorption method after combustion in an induction furnace》 Q/CPVT002-2014		2022-06-28
		8	Oxygen content	《Determination of oxygen content in silicon powder-The pulse heating inert gas fusion infrared absorption method》 Q/CPVT 001-2014		2022-06-28
2	Film for electrical insulation	1	Thickness、width	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021	width only for single-layer method	2022-06-28
		2	Surface roughness	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021		2022-06-28
		3	Tensile strength	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021		2022-06-28
		4	Breaking elongation	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021		2022-06-28
		5	Shrinkage rate	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021		2022-06-28
		6	Wetting tension	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	surface resistivity	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021		2022-06-28
		8	volume resistivity	Film for electrical insulation—Part 2:Methods of test GB/T 13542.2-2021		2022-06-28
3	Insulating materials	1	proof tracking index	《Method for the determination of the proof and the comparative tracking indices of solid insulating materials》 GB/T 4207-2012		2022-06-28
		2	comparative tracking index	《Method for the determination of the proof and the comparative tracking indices of solid insulating materials》 GB/T 4207-2012		2022-06-28
4	building sealants	1	viscosity	《Determination for viscosity of adhesives.Single cylinder rotational viscometer method》 GB/T 2794-2013		2022-06-28
5	Glass in building	1	Acid resistance test	《Glass in building-Coated glass Part 2:Requirements and test methods for class A,B and S coating》 BS EN 1096-2-2012 条款 Annex C		2022-06-28
		2	Neutral salt spray test	《Glass in building-Coated glass-Part 2:Requirements and test methods for class A，B and S coating》 BS EN 1096-2-2012 条款 Annex D		2022-06-28
		3	Abrasion resistance test	《Glass in building-Coated glass-Part 2:Requirements and test methods for class A，B and S coating》 BS EN 1096-2-2012 条款 Annex E		2022-06-28
		4	Light transmittance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.3		2022-06-28
		5	Light reflectance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Division of incident solar radiation flux	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.5.2		2022-06-28
		7	Solar direct transmittance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.5.3		2022-06-28
		8	Solar direct reflectance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.5.4		2022-06-28
		9	Solar direct absorptance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.5.5		2022-06-28
		10	Secondary heat transfer factor towards the inside	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.5.6		2022-06-28
		11	Total solar energy transmission	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.5.7		2022-06-28
		12	Additional heat transfer	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.5.8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	UV-transmittance	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.6		2022-06-28
		14	CIE damage factor	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.7		2022-06-28
		15	Skin damage factor	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.8		2022-06-28
		16	Colour rendering	《Glass in building-Determination of light transmittance,solar direct transmittance,total solar energy transmittance,ultraviolet transmittance and related glazing factors》 ISO 9050:2003 条款 3.9		2022-06-28
		17	U values	《Glass in building-Calculation of steady-state U values (thermal trasmittance) of multiple glazing 》 ISO 10292:1994		2022-06-28
6	photovoltaic glass	1	Haze	《Test method for optical properties of photovoltaic glass》 GB/T 30983-2014 条款 5.1		2022-06-28
		2	Transmittance	《Test method for optical properties of photovoltaic glass》 GB/T 30983-2014 条款 5.2		2022-06-28
		3	Reflectance	《Test method for optical properties of photovoltaic glass》 GB/T 30983-2014 条款 5.3		2022-06-28
7	Insulating glass unit	1	U value	《Calculation and determination of steady-state U values(thermal transmittance) of multiple glazing》 GB/T 22476-2008 条款 5	Accredited only for U value determinati	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					on under the steady state	
8	safety glazing materials used on road vehicles	1	Light transmittance	《Test methods of safety glazing materials used on road vehicles Part2:optical properties tests》 GB/T 5137.2-2002 条款 4	The standard is invalid. Application for retention	2022-06-28
		2	Radiation resistance test	《Test methods of safety glazing meterials used on road vehicles Part3:radiation,high temperature,humidity,fire and sumulated weathering resistance test》 GB/T 5137.3-2002 条款 5	The standard is invalid. Application for retention	2022-06-28
		3	Wet resistance test	《Test methods of safety glazing meterials used on road vehicles Part3:radiation,high temperature,humidity,fire and sumulated weathering resistance test》 GB/T 5137.3-2002 条款 7	The standard is invalid. Application for retention	2022-06-28
9	Sealed insulating glass unit with shading inside	1	Moisture content of desiccant test	《Sealed insulating glass unit with shading inside》 JG/T 255-2009 条款 附录 B	The standard is invalid. Application for retention	2022-06-28
10	Metallic materials	1	Metallic coatings thickness	《Metallic coatings-Measurement of coating thickness-X-ray spectrometric methods》 GB/T 16921-2005		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
11	glass	1	Iron Content	《Determination of Iron Content in Photovoltaic Glass-Energy Dispersion X-ray Fluorescence Spectrometry method》 Q/CPVT 004-2014		2022-06-28
		2	SiO_2	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 7,8		2022-06-28
		3	Al_2O_3	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 9,18		2022-06-28
		4	TiO_2	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 10,18		2022-06-28
		5	Fe_2O_3	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 11,16,18		2022-06-28
		6	CaO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 12,16,18		2022-06-28
		7	MgO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 13,16,18		2022-06-28
		8	SO_3	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 14		2022-06-28
		9	P_2O_5	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 15,18		2022-06-28
		10	K_2O	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 16,17,18		2022-06-28
		11	Na_2O	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 16,17,18		2022-06-28
		12	CuO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 19,20		2022-06-28
		13	ZnO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 19,20		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	Co_2O_3	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 19,20		2022-06-28
		15	NiO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 19,20		2022-06-28
		16	Cr_2O_3	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 19,20		2022-06-28
		17	CdO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 19,20		2022-06-28
		18	MnO	《Methods for chemical analysis of soda-lime-silica glass》 GB/T 1347-2008 条款 19,20		2022-06-28
		19	Tristimulus values	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 7.2		2022-06-28
		20	Chromaticity coordinates	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 8.1		2022-06-28
		21	Chromatic aberration	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 7.3		2022-06-28
		22	Luminosity equation	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 8.3		2022-06-28
		23	Chroma difference	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 8.4		2022-06-28
		24	Hue difference	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 8.4		2022-06-28
		25	Dominant wavelength	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 8.5		2022-06-28
		26	Excitation purity	《Colorimetric methods for colour building materials》 GB/T 11942-1989 条款 8.5.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		27	contact angle	《Test method for hydrophobic contamination on glass by contact angle measurement》 GB/T 24368-2009		2022-06-28
		28	Surface stress	《Test method for measurement of stress in glass》 GB/T 18144-2008 条款 4.1	Accredited only for surface stress	2022-06-28
12	Non-Metallic Materials	1	Exposure	《Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials》 ASTM G155-05a		2022-06-28
				《Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials》 ASTM G155-13		2022-06-28
13	Paste	1	solids content	《Test methods of precious metals pastes used for microelectronics-Determination of solids content》 GB/T 17473.1-2008		2022-06-28
		2	fineness	《Test methods of precious metals pastes used for microelectronics-Determination of fineness》 GB/T 17473.2-2008		2022-06-28
		3	sheet resistance	《Test methods of precious metals pastes used for microelectronics-Determination of sheet resistance》 GB/T 17473.3-2008		2022-06-28
		4	viscosity	《Test methods of precious metals pastes used for microelectronics-Determination of viscosity》 GB/T 17473.5-2008		2022-06-28
		5	solderability	《Test methods of precious metals pastes used for microelectronics-Determination of solderability and solderelaching resistance》 GB/T 17473.7-2008 条款 5.5		2022-06-28
		6	solderalaching resistance	《Test methods of precious metals pastes used for microelectronics-Determination of solderability and solderelaching resistance》 GB/T 17473.7-2008 条款 5.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
14	silver paste for solar cell	1	silver content	《Determination of silver content in silver paste for solar cell-thiocyanate standard solution titration method》 Q/CPVT 003-2014		2022-06-28
15	Paste for solar cell	1	adhesion	《Paste for solar cells》 YS/T 612-2014 条款 5.6		2022-06-28
		2	boiling test	《Paste for solar cells》 YS/T 612-2014 条款 5.7		2022-06-28
		3	bending	《Paste for solar cells》 YS/T 612-2014 条款 5.8		2022-06-28
16	Ethylene-Vinyl Acetate copolymer (EVA) film	1	crosslinking degree	Determination of crosslinking degree for Ethylene-Vinyl Acetate copolymer (EVA) film-Xylene extraction method Q/CPVT 007-2014		2022-06-28
17	Ethylene-vinyl acetate copolymer(EVA)film for encapsulant solar module	1	crosslinking degree	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA)Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013 item 5.5.2.1		2022-06-28
		2	shrinkage rate	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA)Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013 item 5.5.7		2022-06-28
		3	mass per unit area	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA)Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013 item 5.3.1		2022-06-28
18	Polyolefin film for photovoltaic module	1	Thickness	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.3.1		2022-06-28
		2	Surface density deviation	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.3.2		2022-06-28
		3	appearance	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Luminous transmittance	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.1		2022-06-28
		5	crosslinking degree	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.2		2022-06-28
		6	Peel strength of PO/glass	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.3		2022-06-28
		7	Hot-shrinkage rate	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.4		2022-06-28
		8	volume resistivity	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.5		2022-06-28
		9	Electrical strength	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.6		2022-06-28
		10	comparative tracking index	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.7		2022-06-28
		11	Water vapour transmission rate	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.8		2022-06-28
		12	UV Test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.9		2022-06-28
		13	Damp-heat test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.10		2022-06-28
		14	Heat resistance test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.11		2022-06-28
		15	PCT accelerated aging test	《Polyolefin film for photovoltaic module》 T/CPIA 0006-2017 5.5.12		2022-06-28
19	Ethylene—vinyl acetate copolymer （EVA） film	1	Thickness	《Ethylene—vinyl acetate copolymer （EVA） film for photovoltaic module》 T/CPIA 0004-2017 5.3.1		2022-06-28
		2	Surface density deviation	《Ethylene—vinyl acetate copolymer （EVA） film for photovoltaic module》 T/CPIA 0004-2017 5.3.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	for photovoltaic module	3	appearance	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.4		2022-06-28
		4	Luminous transmittance	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.1		2022-06-28
		5	Light reflectance	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.2		2022-06-28
		6	crosslinking degree	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.3		2022-06-28
		7	Tensile strength and Breaking elongation	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.4		2022-06-28
		8	Peel strength of EVA/glass	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.5		2022-06-28
		9	Hot-shrinkage rate	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.6		2022-06-28
		10	volume resistivity	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.7		2022-06-28
		11	Electrical strength	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.8		2022-06-28
		12	comparative tracking index	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.9		2022-06-28
		13	UV Test	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.10		2022-06-28
		14	Damp-heat test	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.11		2022-06-28
		15	Heat resistance test	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.12		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		16	UV and DH	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.13		2022-06-28
		17	PCT accelerated aging test	《Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module》 T/CPIA 0004-2017 5.5.14		2022-06-28
20	Backsheet for Photovoltaic(PV) Module	1	Tensile strength	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.3		2022-06-28
		2	Breaking elongation	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.3		2022-06-28
		3	Peel strength	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.4		2022-06-28
		4	Peel strength of backsheet/silica gel	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.6		2022-06-28
		5	Peel strength of backsheet/EVA	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.7		2022-06-28
		6	Peel strength of backsheet/tape	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.8		2022-06-28
		7	Hot-shrinkage rate	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.9		2022-06-28
		8	Boiling water test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.14		2022-06-28
		9	PCT test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.15		2022-06-28
		10	Reflectance	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.16		2022-06-28
		11	Ductility of surface opening crack	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.17		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Salt spray test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.18.1		2022-06-28
		13	Moist SO_2 spray test	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013 item 7.18.2		2022-06-28
21	Insulating back sheet for terrestrial photovoltaic(PV) modules	1	Acid resistance test	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014 item 6.15		2022-06-28
		2	Alkali resistance test	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014 item 6.16		2022-06-28
		3	Boiling water test	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014 item 6.18		2022-06-28
22	Sealant material in terrestrial photovoltaic（PV） modules	1	pot life	《Sealant material in terrestrial photovoltaic（PV）modules-Silicone sealant》 GB/T 29595-2013 5.5		2022-06-28
		2	curing speed	《Sealant material in terrestrial photovoltaic（PV）modules-Silicone sealant》 GB/T 29595-2013 5.8		2022-06-28
		3	junction box tension	《Sealant material in terrestrial photovoltaic（PV）modules-Silicone sealant》 GB/T 29595-2013 annex A		2022-06-28
		4	qualitative adhesion	《Sealant material in terrestrial photovoltaic（PV）modules-Silicone sealant》 GB/T 29595-2013 annex B		2022-06-28
23	Patterned glass	1	Length deviation	《Patterned glass》 JC/T 511-2002 条款 6.1		2022-06-28
		2	Width deviation	《Patterned glass》 JC/T 511-2002 条款 6.1		2022-06-28
		3	Diagonal deviation	《Patterned glass》 JC/T 511-2002 条款 6.2		2022-06-28
		4	Thickness deviation	《Patterned glass》 JC/T 511-2002 条款 6.3		2022-06-28
		5	Appearance	《Patterned glass》 JC/T 511-2002 条款 6.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Bending	《Patterned glass》 JC/T 511-2002 条款 6.4.3		2022-06-28
24	Laminated glass	1	Appearance	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.2		2022-06-28
		2	Length deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.3		2022-06-28
		3	Width deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.3		2022-06-28
		4	Overlapping deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.3		2022-06-28
		5	Thickness deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.3		2022-06-28
		6	Diagonal deviation	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.3		2022-06-28
		7	Heat resistance test	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.8		2022-06-28
		8	Impact shot bag test	《Safety glazing materials in building—Part 3: Laminated glass》 GB 15763.3-2009 条款 7.12		2022-06-28
25	Solar control coated glass	1	Appearance	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 条款 6.3		2022-06-28
		2	Abrasion resistance test	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 条款 6.6		2022-06-28
		3	Acid resistance test	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 条款 6.7		2022-06-28
		4	Base resistance test	《Coated glass—Part1: solar control coated glass》 GB/T 18915.1-2013 条款 6.8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
26	low emissivity coated glass	1	Abrasion resistance test	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013 条款 6.7		2022-06-28
		2	Acid resistance test	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013 条款 6.8		2022-06-28
		3	Base resistance test	《Coated glass—Part2:low emissivity coated glass》 GB/T 18915.2-2013 条款 6.9		2022-06-28
27	Sealed insulating solar PV glass unit in building	1	Appearance	《Laminated solar PV glazing materials in building》 GB/T 29759-2013 条款 7.2		2022-06-28
		2	Length deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 条款 7.3.1		2022-06-28
		3	Width deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 条款 7.3.1		2022-06-28
		4	Diagonal deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 条款 7.3.1		2022-06-28
		5	Thickness deviation	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 条款 7.3.2		2022-06-28
		6	Accelerated durability test	《Sealed insulating solar PV glass unit in building》 GB/T 29759-2013 条款 7.7		2022-06-28
28	Laminated solar PV glazing materials in building	1	Appearance	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.3		2022-06-28
		2	Length deviation	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.4.1		2022-06-28
		3	Width deviation	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.4.1		2022-06-28
		4	Diagonal deviation	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.4.1		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Overlapping deviation	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.4.2		2022-06-28
		6	Thickness deviation	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.4.3		2022-06-28
		7	Bending	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.5		2022-06-28
		8	Insulativity	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.11		2022-06-28
		9	Heat resistance test	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.23		2022-06-28
		10	Shock resistandce test	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.26		2022-06-28
		11	Impact shot bag test	《Laminated solar PV glazing materials in building》 GB/T 29551-2013 条款 7.27		2022-06-28
29	Flat glass	1	Length deviation	《Flat glass》 GB 11614-2009 条款 6.1		2022-06-28
		2	Width deviation	《Flat glass》 GB 11614-2009 条款 6.1		2022-06-28
		3	Diagonal deviation	《Flat glass》 GB 11614-2009 条款 6.2		2022-06-28
		4	Thickness deviation	《Flat glass》 GB 11614-2009 条款 6.3		2022-06-28
		5	Thickness wedge	《Flat glass》 GB 11614-2009 条款 6.4		2022-06-28
		6	Appearance	《Flat glass》 GB 11614-2009 条款 6.5	Except for optical distortion	2022-06-28
		7	Bending	《Flat glass》 GB 11614-2009 条款 6.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
30	Insulating glass unit	1	Length deviation	《Insulating glass unit》 GB/T 11944-2012 条款 7.1.1		2022-06-28
		2	Width deviation	《Insulating glass unit》 GB/T 11944-2012 条款 7.1.1		2022-06-28
		3	Thickness deviation	《Insulating glass unit》 GB/T 11944-2012 条款 7.1.2		2022-06-28
		4	Diagonal deviation	《Insulating glass unit》 GB/T 11944-2012 条款 7.1.1		2022-06-28
		5	Overlapping deviation	《Insulating glass unit》 GB/T 11944-2012 条款 7.1.3		2022-06-28
		6	Layer width	《Insulating glass unit》 GB/T 11944-2012 条款 7.1.4		2022-06-28
		7	Appearance	《Insulating glass unit》 GB/T 11944-2012 条款 7.2		2022-06-28
		8	Ultraviolet irradiation test	《Insulating glass unit》 GB/T 11944-2012 条款 7.4		2022-06-28
		9	Durability of water seal test	《Insulating glass unit》 GB/T 11944-2012 条款 7.5		2022-06-28
31	Casting tin-lead solders	1	Ingot weight	《Casting tin-lead solders》 GB/T 8012-2013 条款 4.4		2022-06-28
32	Plastic	1	the effects of immersion in liquid chemicals	《Plastic-Methods of test for the determination of the effects of immersion in liquid chemicals》 GB/T 11547-2008	Accredited only for change in mechanical properties	2022-06-28
		2	environmental stress crack	《Plastics - Test method for environmental stress-cracking of polyethylene 》 GB/T 1842-2008		2022-06-28
		3	Puncture strength	《Plastic laminated films and pouches for packaging-Dry lamination and extrusion lamination》 GB/T 10004-2008 6.6.13		2022-06-28
33	Plastics	1	Oxygen transmission rate	《Packing material- Test Method for Oxygen Gas Permeability		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Characteristics of Plastic Film and Sheeting-Coulometric Sensor》 GB/T 19789-2021		
		2	Gas transmission rate	《Plastics — Film and sheeting — Determination of gas-transmission rate-Part 2:Equal-pressure method》 ISO 15105-2:2003	Except for Annex B	2022-06-28
34	materials used in photovoltaic modules	1	Thickness	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.2.2		2022-06-28
		2	Area weight	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.2.3		2022-06-28
		3	Tensile strength/elongation at frontsheet	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.2.4		2022-06-28
		4	Curling	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.2.5		2022-06-28
		5	Adhesion between layers of composition	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.3.6.2		2022-06-28
		6	Adhesion between sheet and encapsulant	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.3.6.2		2022-06-28
		7	Adhesion between sheet and edge sealant	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.3.6.3		2022-06-28
		8	Adhesion between backsheet and	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			junction box adhesive	backsheets》 IEC/TS 62788-2:2017 4.3.6.4		
		9	Dimensional stability	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.4.2		2022-06-28
		10	Breakdown voltage	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.5.1		2022-06-28
		11	Distance through insulation（DTI）	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.5.2		2022-06-28
		12	Comparative Tracking Index（CTI）	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.5.3		2022-06-28
		13	Volume resistivity	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.5.4		2022-06-28
		14	Optical transmittance	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.6.4		2022-06-28
		15	Optical reflectance	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.6.5		2022-06-28
		16	Yellow index	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.6.6		2022-06-28
		17	Colour measurement	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				backsheets》 IEC/TS 62788-2:2017 4.6.7		
		18	Permeability of water vapour	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.7.1		2022-06-28
		19	Permeability of oxygen	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.7.2		2022-06-28
		20	Resistance to solvents	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.8.1		2022-06-28
		21	ignitability	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.9.1		2022-06-28
		22	flammability	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.9.2		2022-06-28
		23	Damp Heat (DH) testing at elevated heat and moisture	《Measurement procedures for materials used in photovoltaic modules - Part 2: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.10.2		2022-06-28
		24	Weathering at elevated levels of temperature and moisture	《Measurement procedures for materials used in photovoltaic modules - Part 3: Polymeric materials - Frontsheets and backsheets》 IEC/TS 62788-2:2017 4.10.3		2022-06-28
		25	Accelerated weathering tests	《Measurement procedures for materials used in photovoltaic modules - Part 7-2: Environmental exposures - Accelerated weathering tests of polymeric materials》 IEC/TS 62788-7-2:2017	Accredited only for Mathod A	2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
35	raw and auxiliary materials	1	PCT accelerated aging test	《Method for PCT accelerated aging test》 Q/CPVT 005-2014		2022-06-28
		2	Film Hardness	《Standard Test Method for Film Hardness by Pencil Test》 ASTM D 3363-05(2011)e2		2022-06-28
		3	Adhesion	《Standard Test Methods for Measuring Adhesion by Tape Test》 ASTM D 3359-09e2		2022-06-28
		4	Scrub Resistance test	《Standard Test Methods for Scrub Resistance of Wall Paints》 ASTM D2486-06(2012)e1		2022-06-28
		5	Sand and dust test	《Laboratory environmental test methods for military materiel-Part 12:Sand and dust test》 GJB 150.12A-2009		2022-06-28
		6	Self-cleaning	《Test method of photocatalytic materials for self-cleaning》 GB/T 23764-2009		2022-06-28
		7	180°peel strength	《Adhesives,180°peel strength test method for a flexible-bonded-to-rigid test specimen assembly》 GB/T 2790-1995		2022-06-28
		8	Quality analysis for organic by Infrared	《General rules for infrared analysis》 GB/T 6040-2019	Accredited only for qualitative analysis of solid and liquid samples	2022-06-28
		9	abrasion resistance	《Determination for abrasion resistance of coatings by falling abrasive》 GB/T 23988-2009		2022-06-28
		10	Partial discharge test	《Insulation coordination for equipment within low-voltage systems-Part1:Principles,requirement and tests》 GB/T 16935.1-2008 条款 6.1.3.5		2022-06-28
		11	Solvent resistance test	《Determination for the solvent resistance of coating by solvent rubs》 GB/T 23989-2009		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Spectral reflectance of reflecting samples	《Methods for the measurement of object color》 GB/T 3979-2008 条款 5.1.3.1		2022-06-28
		13	Spectral transmittance of transmission samples	《Methods for the measurement of object color》 GB/T 3979-2008 条款 5.1.3.2		2022-06-28
		14	Tristimulus values and chromaticity coordinate	《Methods for the measurement of object color》 GB/T 3979-2008 条款 5.1.4		2022-06-28
		15	Basic coordinate	《Uniform color space and color difference formula》 GB/T 7921-2008 条款 5.1,5.2		2022-06-28
		16	Lightness	《Uniform color space and color difference formula》 GB/T 7921-2008 条款 5.1.2,5.2.2		2022-06-28
		17	saturation	《Uniform color space and color difference formula》 GB/T 7921-2008 条款 5.1.2,5.2.2		2022-06-28
		18	chromaticity	《Uniform color space and color difference formula》 GB/T 7921-2008 条款 5.1.2,5.2.2		2022-06-28
		19	Color difference	《Uniform color space and color difference formula》 GB/T 7921-2008 条款 5.1.3,5.2.3		2022-06-28
		20	Saturability	《Uniform color space and color difference formula》 GB/T 7921-2008 条款 5.2.2		2022-06-28
		21	Scrub resistance	《Determination of scrub resistance of film of architectural paints and coatings》 GB/T 9266-2009		2022-06-28
36	Paste for solar cells		All parameter	《Paste for solar cell》 YS/T 612-2014		2022-06-28
37	Multicrystalline silicon		Part parameter	《Multicrystalline silicon wafers for photovoltaic solar cell》 GB/T 29055-2019	Accredited only for	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	wafers for photovoltaic solar cell				thickness and total thickness variation,interstitial oxygen concentration,substitutional atomic carbon conbentration,carrier recombination lifetime	
38	Glass for photovoltaic modules		All parameter	《Solar glass-Part 1: Ultra-clear patterned glass》 GB/T 30984.1-2015		2022-06-28
39	Tempered glass		All parameter	《Safety glazing materials in building—Part 2: Tempered glass》 GB 15763.2-2005		2022-06-28
40	Coated Glass for Solar Cells		All parameter	《Durability requirements of coating on glass for solar cell》 DB32/T 2175-2012		2022-06-28
41	Anti-reflective coated glass for photovoltaic modules		All parameter	《Anti-reflective coated glass for photovoltaic modules》 JC/T 2170-2013（2017）		2022-06-28
42	Glass for solar cell module		All parameter	《Glass for solar cell module》 JC/T 2001-2009		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
43	Insulating back sheet for terrestrial photovoltaic(PV) modules		All parameter	《Insulating back sheet for crystalline silicon terrestrial photovoltaic(PV) modules》 GB/T 31034-2014		2022-06-28
44	Backsheet for Photovoltaic(PV) Module		All parameter	《Certification criteria of Backsheet for Photovoltaic(PV) Module》 CNCA/CTS 0014-2013		2022-06-28
45	Tin-coated copper ribbon for photovoltaic application		All parameter	《Tin-coated copper ribbon for photovoltaic application》 GB/T 31985-2015	Electrical performance test in Dongting	2022-06-28
46	Tin-coated copper ribbon for photovoltaic application		All parameter	《Tin-coated copper ribbon for photovoltaic application》 T/CPIA 0005-2017	Electrical performance test in Dongting	2022-06-28
47	Tinned Ribbon for Solar Cell		All parameter	《Tinned Ribbon for Solar Cell》 DB32/T 2176-2012	Electrical Properties test in dongting	2022-06-28
48	Ethylene-vinyl Acetate Copolymer(EVA) Film for Encapsulant Photovoltaic(PV) Module		All parameter	《Certification Criteria of Ethylene-vinyl Acetate Copolymer(EVA) Film for Encapsulant Photovoltaic(PV) Module》 CNCA/CTS 0013-2013		2022-06-28
49	silicon material	1	interstitial oxygen	Test method for determining interstitial oxygen content in silicon	Except for	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			content	by infrared absorption GB/T 1557-2018	low temperature	
50	Sheet materials	1	Solar Energy Transmittance	Standard Test Methods for Solar Energy Transmittance and Reflectance(Terrestrial) of Sheet Materials ASTM E424-71(2015) 6.4.1	Accredited only for method A	2022-06-28
		2	Solar Energy Feflectance	Standard Test Methods for Solar Energy Transmittance and Reflectance(Terrestrial) of Sheet Materials ASTM E424-71(2015) 6.4.2	Accredited only for method A	2022-06-28
51	Double-sided fluorofilm insulating backsheet for crystalline silicon photovoltaic(PV) modules		Part parameter	Double-sided fluorofilm insulating backsheet for crystalline silicon photovoltaic(PV) modules T/ZZB 0869-2018	Except for Flame spread index	2022-06-28
52	Ethylene—vinyl acetate copolymer （EVA）film for photovoltaic module		All parameter	Ethylene—vinyl acetate copolymer （EVA）film for PV module GB/T 29848-2018		2022-06-28
53	raw and auxiliary materials	1	Partial discharge	High-voltage test techniques-Partial discharge measurements GB/T 7354-2018		2022-06-28
54	Adhesives	1	tensile lap-shear strength	Adhesives-Determination of tensile lap-shear strength of rigid-to-rigid bonded assemblies GB/T 7124-2008		2022-06-28
55	Textiles	1	Anti-ultraviolet protection	Textiles -Evaluation for solar ultraviolet radiation protective properties GB/T 18830-2009		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
56	water	1	Methanal	Standard examination methods for drinking water-Disinfection by-products parmeters GB/T 5750.10-2006 6		2022-06-28
		2	evaporation residue	Safety evaluation standard of water transmission and protective material for drinking water GB/T 17219-1998 appendix A2.15		2022-06-28
		3	consumption of potassiom permanganate	Safety evaluation standard of water transmission and protective material for drinking water GB/T 17219-1998 appendix A2.16		2022-06-28
		4	turbidity	Standard examination methods for drinking water-Organoleptic and physical paramenters GB/T 5750.4-2006 2.2		2022-06-28
		5	stink and taste	Standard examination methods for drinking water-Organoleptic and physical paramenters GB/T 5750.4-2006 3		2022-06-28
		6	visible to naked eyes	Standard examination methods for drinking water-Organoleptic and physical paramenters GB/T 5750.4-2006 4		2022-06-28
		7	pH	Standard examination methods for drinking water-Organoleptic and physical paramenters GB/T 5750.4-2006 5.1		2022-06-28
		8	fluoride	Standard examination methods for drinking water-Nonmeral paramenters GB/T 5750.5-2006 3.2		2022-06-28
		9	nitrate nitrogen	Standard examination methods for drinking water-Nonmeral paramenters GB/T 5750.5-2006 5		2022-06-28
		10	Fe	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 2.1，2.2，2.3		2022-06-28
		11	Mn	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 3.1，3.2，3.3，3.4，3.5		2022-06-28
		12	Cu	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 4.2，4.3，4.4，4.5		2022-06-28
		13	Zn	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 5.1，5.2，5.3，5.5		2022-06-28
		14	Cd	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 9.2，9.5，9.6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		15	Pb	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 11.2，11.3，11.6		2022-06-28
		16	As	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 6.1，6.5		2022-06-28
		17	Hg	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 8.1		2022-06-28
		18	Cr^{6+}	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 10		2022-06-28
		19	Ag	Standard examination methods for drinking water-Metal paramenters GB/T 5750.6-2006 12.3		2022-06-28
		20	volatillized phenol	Standardexaminationmethodfordrinkingwater GB/T 5750-1985 15	Only for GB/T 17219-1998	2022-06-28
57	Supporting bracker for photovoltaic（PV）application	1	anti-freezeing test	Standard for test method of long-term performance and durability of ordinary concrete GB/T 50082-2009 4.2		2022-06-28
58	glass fiber reinforced plastics	1	resistivity against water	Test method for aging properties of glass fiber reinforced plastics GB/T 2573-2008 4.3		2022-06-28
59	Fiber-reinforced plastics composites	1	compressive strength	Fiber-reinforced plastics composites-Determination of compressive properties GB/T 1448-2005		2022-06-28
60	Monocrystalline silicon wafers for solar cells		Part of Parameters	Monocrystalline silicon wafers for solar cells GB/T 26071-2018	Accredited only for boundary dimension(	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					expect for curvature,warping degree,diameter),specific resistance,carrier recombination lifetime,surface quality(expect for stria)	
61	Backsheet used for photovoltaic(PV) modules		All Parameters	backsheet used for photovoltaic (PV) modules SJ/T 11722-2018		2022-06-28
62	Backsheet for photovoltaic(PV)modules		All Parameters	Backsheet for photovoltaic(PV)modules T/CPIA 0015-2019	Flame retardance is performed in Dongting	2022-06-28
63	Insulating films of crystalline silicon photovoltaic(PV)modules		Part of Parameters	Insulating films of crystalline silicon photovoltaic(PV)modules—Part 1:Polyethylene terephthalate films GB/T 36289.1-2018	Except for relative permittivity ,the surfacs gloss is performed in Dongting	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
64	Insulating films of crystalline silicon photovoltaic(PV)modules—Part 2:Fluorine plastic films		All Parameters	Insulating films of crystalline silicon photovoltaic(PV)modules—Part 2:Fluorine plastic films GB/T 36289.2-2018	Flame retardance is performed in Dongting	2022-06-28
65	Supporting bracker for photovoltaic（PV） application		Part of Parameters	Supporting bracker for photovoltaic（PV） application T/CPIA 0013-2019	Except for UV aging test.Fire test and Glow-wire flammability test are performed in Dongting	2022-06-28
66	Pultruded fiber reinforced polymer composites structural profiles		Part of Parameters	Pultruded fiber reinforced polymer composites structural profiles GB/T 31539-2015	Accredited only for resistivity against water, alkali resistance,freeze-thaw cycle durability	2022-06-28
67	High density polyethylene floating body used for		Part of Parameters	High density polyethylene floating body used for photovoltaic(PV) power system on water T/CPIA 0016-2019	Except for wind resistance,Puncture	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	photovoltaic(PV) power system on water				strength,Coupling dynamic load fatigue.Oxidation induction time，Glow-wire flammability test，burning test is performed in Dongting.	
68	Psate used for crystalline silicon photovoltaic(PV) cells		All Parameters	Psate used for crystalline silicon photovoltaic(PV) cells-Part 1:Aluminum paste for back surface field Sintered aluminum paste T/CPIA 0030.1-2021		2022-06-28
69	Psate used for crystalline silicon photovoltaic(PV) cells		All Parameters	Psate used for crystalline silicon photovoltaic(PV) cells Part 2: Rear-side silver paste Sintered silver paste T/CPIA 0030.2-2021		2022-06-28
70	Psate used for crystalline silicon photovoltaic(P		All Parameters	Psate used for crystalline silicon photovoltaic(PV) cells Part 3: Front-side silver paste Sintered silver paste T/CPIA 0030.3-2021		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	V) cells					
71	Glass for photovoltaic modules		All Parameters	Glass for photovoltaic modules Part 1: Front plate anti-reflective coated glass T/CPIA 0028.1-2021		2022-06-28
72	Glass for photovoltaic modules		All Parameters	Glass for photovoltaic modules—Part 2：Back plate augmented reflective coated glass for double-glass module T/ CPIA 0028.2-2021		2022-06-28
73	Glass for photovoltaic modules		All Parameters	Comprehensive safety technical specification of glass for Photovoltaic (PV) Modules CTS PCCC-GF008-2020		2022-06-28
74	Film for backsheet of photovoltaic (PV) modules		All Parameters	Film for backsheet of photovoltaic (PV) modules-Part 2:Polythylene terephthalate film T/CPIA 0029.2-2021	gloss test is performed in Dongting	2022-06-28
75	Transparent protective encapsulation film for bifacial cell modules		All Parameters	Transparent protective encapsulation film for bifacial cell modules T/CPIA 0031-2021		2022-06-28
76	Aluminium-plastic composite panel for curtain wall		Part of Parameters	Aluminium-plastic composite panel for curtain wall GB/T 17748-2016	Accredited only test acid resistance and alkali resistance	2022-06-28
77	Ultra-thin Glass Used for Photovoltaic		All Parameters	Ultra-thin Glass Used for Photovoltaic Modules SJ/T 11571-2016		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	Modules					
78	Heat strengthened glass		All Parameters	Heat strengthened glass GB/T 17841-2008		2022-06-28
79	Light weight thermally strengthened glass		All Parameters	Light weight thermally strengthened glass GB/T 34328-2017		2022-06-28
80	Aluminium alloys	1	Webster's hardness	Aluminium alloys webster's hardness test method YS/T 420-2000		2022-06-28
81	Aluminium and Aluminium alloys	1	Abrasion resistance	Test methods for anodic oxidation coatings and organic polymer coatings of aluminium and aluminium alloys-Part 1:Measurement of abrasion resistance GB/T 12967.1-2020 5	Accredited only test shakeout method	2022-06-28
82	Optical coatings	1	Crosshatch test	Optics and photonics — Optical coatings —Part 4:Specific test methods ISO 9211-4:2012		2022-06-28
				Optics and photonics — Optical coatings —Part 4:Specific test methods GB/T 26332.4-2015		2022-06-28
		2	Solubility tests	Optics and photonics — Optical coatings —Part 4:Specific test methods ISO 9211-4:2012		2022-06-28
				Optics and photonics — Optical coatings —Part 4:Specific test methods GB/T 26332.4-2015		2022-06-28
83	Plastics	1	Wetting tension	Plastics-Film and sheeting-Determination of wetting tension GB/T 14216-2008		2022-06-28
84	Architectural glass	1	Visibie light transmittance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.1		2022-06-28
		2	Visibie light reflectance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				transmittance and related glazing factors GB/T 2680-2021 5.2		
		3	Solar radiation flux	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.3		2022-06-28
		4	Solar direct gransmittance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.4		2022-06-28
		5	Solar direct reflectance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.5		2022-06-28
		6	Solar direct absorptance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.6		2022-06-28
		7	Total solar energy transmittance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.7		2022-06-28
		8	Secondary heat transfer coefficient to indoor	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.8		2022-06-28
		9	Shading coefficent	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.9		2022-06-28
		10	Visible light to total energy transmittance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.10		2022-06-28
		11	Ultraviolet transmittance	Glass in buildien-Detarmination of light transmittance,solar dirtct trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.11		2022-06-28
		12	Emissivity	Glass in buildien-Detarmination of light transmittance,solar dirtct		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				trans mittance,total solar energgy transmittance,ultraviolet transmittance and related glazing factors GB/T 2680-2021 5.12		
5、Pv power plant						
1	PV grid-connected inverter	1	"Protection of the connection impedance	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.3.2		2022-06-28
		2	Touch current	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.3.3		2022-06-28
		3	Impulse voltage test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.3.4.2		2022-06-28
		4	dielectric strength test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.3.4.3		2022-06-28
		5	Partial discharge test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.3.4.6		2022-06-28
		6	Clearances and creepage distances	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.3.4.7		2022-06-28
		7	Stability Test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.1		2022-06-28
		8	Handling Requirements	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.2		2022-06-28
		9	Terminal Requirements	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.3		2022-06-28
		10	Glow test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.5.1		2022-06-28
		11	Bending test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.3.3		2022-06-28
		12	Pull Test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.4.3.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	Glow wire ignition test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.5.2		2022-06-28
		14	Output rating	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.2.1		2022-06-28
		15	Switcher	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.3		2022-06-28
		16	Soft Start	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.4		2022-06-28
		17	Recovery and Network	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.5		2022-06-28
		18	Communication functional verification	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.6.2		2022-06-28
		19	Cooling System	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.7		2022-06-28
		20	Noise	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.9		2022-06-28
		21	Temperature Rise	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.2		2022-06-28
		22	Active power control test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.7.1		2022-06-28
		23	Voltage/reactive regulation test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.7.2		2022-06-28
		24	Test of photovoltaic square array insulation impedance	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.8.1		2022-06-28
		25	Pv grid residual current test	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.8.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		26	The maximum conversion efficiency	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.2.2.1		2022-06-28
		27	conversion efficiency	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.3.2.2.3		2022-06-28
		28	Harmonics and waveform distortion	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.1		2022-06-28
		29	Power Factor	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.2		2022-06-28
		30	Phase unbalance	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.3		2022-06-28
		31	DC component	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.3.4		2022-06-28
		32	Over / under voltage protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.1		2022-06-28
		33	Over / under frequency protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.2		2022-06-28
		34	polarity or phase sequence error protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.3		2022-06-28
		35	DC input overload	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.4		2022-06-28
		36	Short circuit protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.5		2022-06-28
		37	Anti-anti-discharge protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.6		2022-06-28
		38	Anti-islanding protection	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.7		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		39	Low voltage ride through	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.8		2022-06-28
		40	Operating Overvoltage	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.4.4.9		2022-06-28
		41	UV exposure	《Technical specification of grid-connected PV inverter》 NB/T 32004-2013 8.2.2.1		2022-06-28
2	inverter of photovolatic power station	1	Static MPPT efficiency	《Testing code for inverter efficiency of photovolatic power station》 NB/T 32032-2016 7.1		2022-06-28
		2	Dynamic MPPT efficiency	《Testing code for inverter efficiency of photovolatic power station》 NB/T 32032-2016 7.2		2022-06-28
		3	Static Conversion efficiency	《Testing code for inverter efficiency of photovolatic power station》 NB/T 32032-2016 7.3		2022-06-28
3	PV grid-connected inverter	1	low voltage ride through	《Testing code for low voltage ride through of photovoltaic power station 》 NB/T 32005-2013 7		2022-06-28
		2	Three-phase current imbalance	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.2		2022-06-28
		3	Continuous operation	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.3.2		2022-06-28
		4	Stop operation	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.3.3		2022-06-28
		5	Current harmonics	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.4.2		2022-06-28
		6	Current Interharmonics	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.4.3		2022-06-28
		7	DC component	《Testing code for power quality of inverters used in photovoltaic power station》 NB/T 32008-2013 6.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Adaptive voltage detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.1		2022-06-28
		9	Overvoltage detection Adaptability	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.2		2022-06-28
		10	Rate adaptive detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.3		2022-06-28
		11	Over / under frequency adaptive detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.4		2022-06-28
		12	Overvoltage detection Slow Trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.5		2022-06-28
		13	Rapid detection of overvoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.6		2022-06-28
		14	Slow detecting undervoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.7		2022-06-28
		15	Rapid detection of undervoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.8		2022-06-28
		16	Too frequent trips detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.9		2022-06-28
		17	Under frequency trip detection	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.10		2022-06-28
		18	Reconnection detected after overvoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.1		2022-06-28
		19	Reconnection after detecting undervoltage trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		20	Reconnection after tripping over frequency detector	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.3		2022-06-28
		21	Reconnection after detecting underfrequency trip	《Testing code of voltage and frequency response for inverter of photovoltaic power station》 NB/T 32009-2013 6.11.4		2022-06-28
		22	Anti-islanding detection	《The anti-islanding testing code for inverter of utility-interconnected photovoltaic power station 》 NB/T 32010-2013 7		2022-06-28
		23	Adaptive voltage detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.2		2022-06-28
		24	Overvoltage detection Adaptability	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.3		2022-06-28
		25	Rate adaptive detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.4		2022-06-28
		26	Too frequent adaptive detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.5		2022-06-28
		27	Under frequency adaptive detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.1.6		2022-06-28
		28	Overvoltage detection Slow Trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.2		2022-06-28
		29	Rapid detection of overvoltage trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.3		2022-06-28
		30	Slow detecting undervoltage trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.4		2022-06-28
		31	Rapid detection of undervoltage trip	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		32	Too frequent trips detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.6		2022-06-28
		33	Under frequency trip detection	《Testing code for voltage and frequency response of photovoltaic power station》 NB/T 32013-2013 7.2.8		2022-06-28
		34	Anti-islanding detection	《Testing code for anti-islanding of photovoltaic power station》 NB/T 32014-2013 6.3		2022-06-28
		35	And net current harmonic	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.3		2022-06-28
		36	Power Factor	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.4		2022-06-28
		37	DC component	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.5		2022-06-28
		38	Noise Test	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.4.6		2022-06-28
		39	Over / under voltage protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.1		2022-06-28
		40	Over / under frequency protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.2		2022-06-28
		41	Anti-islanding (anti-islanding protection)	《Technical requirements for grid connection of PV system》 GB/T 19939-2005 7.6.1.3		2022-06-28
		42	Recovery and Network	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.4		2022-06-28
		43	Output short circuit protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.5		2022-06-28
		44	Low voltage ride through	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.6		2022-06-28

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		45	Transient Voltage Protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.1.7		2022-06-28
		46	Anti-anti-discharge protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.2		2022-06-28
		47	Reverse polarity protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.3		2022-06-28
		48	Overload	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.4		2022-06-28
		49	DC overvoltage / undervoltage protection	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.6.5		2022-06-28
		50	communication	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.7		2022-06-28
		51	Switcher	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.8		2022-06-28
		52	start up	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.9		2022-06-28
		53	Insulation strength	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.10.2		2022-06-28
		54	Active power control	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.12.1		2022-06-28
		55	Reactive power regulation	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.12.2		2022-06-28
		56	Temperature Rise	《Technical requirements and test methods of grid-connected PV inverter dedicated》 GB/T 30427-2013 7.14		2022-06-28
		57	Reactive Capacity	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 6.1		2022-06-28

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		58	Voltage Regulator	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 6.2		2022-06-28
		59	Voltage adaptability	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 7.3		2022-06-28
		60	Rate adaptive	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 7.4		2022-06-28
		61	Three-phase voltage unbalance	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.3.1		2022-06-28
		62	Three-phase current unbalance	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.3.2		2022-06-28
		63	Current harmonics	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.5.1		2022-06-28
		64	Current Interharmonics	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.5.2		2022-06-28
		65	DC component	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 8.6		2022-06-28
		66	Low / high voltage protection	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 9.2		2022-06-28
		67	Frequency Protection	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 9.3		2022-06-28
		68	Recovery and Network	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 9.4		2022-06-28
		69	Anti-islanding protection	《Testing code for connecting photovoltaic power system to distribution network》 GB/T 30152-2013 10.3		2022-06-28
4	PV grid-connected inverter	1	Static MPPT efficiency	《Technical specification for China efficiency of grid connected PV inverters》 CNCA/CTS 0002-2014 5		2022-06-28

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		2	Dynamic MPPT efficiency	《Technical specification for China efficiency of grid connected PV inverters》 CNCA/CTS 0002-2014 6		2022-06-28
		3	Conversion efficiency	《Technical specification for China efficiency of grid connected PV inverters》 CNCA/CTS 0002-2014 7		2022-06-28
5	Inverter	1	Disconnection time	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.1		2022-06-28
		2	Over/Under Voltage	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.2		2022-06-28
		3	Over/Under Frequency	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.3		2022-06-28
		4	Loss of Mains Protection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.4		2022-06-28
		5	Re-connection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C3.5		2022-06-28
		6	Power Factor	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.2		2022-06-28
		7	DC injection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.4		2022-06-28
		8	Short-circuit current injection	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.6		2022-06-28

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		9	Self Monitoring - Solid State Disconnect	《Recommendations for the Connection of Small-Scale Embedded Generators (Up to 16A per Phase) in Parallel with Public Low-voltage Distribution Networks》 G83/1-1:2008 C4.7		2022-06-28
		10	direct current monitoring	《Automatic disconnection device between a generator and the public low-voltage grid》 VDE V0126-1-1:2013-08 6.5		2022-06-28
		11	Voltage	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.2.3		2022-06-28
		12	frequency	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.2.4		2022-06-28
		13	Loss of synchronism	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.2.5		2022-06-28
		14	Limitation of DC injection	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.3.1		2022-06-28
		15	harmonic	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.3.3		2022-06-28
		16	unintentional islanding	《IEEE Standard for Interconnectiong Distributed Resources with Electric Power Systems》 IEEE 1547-2003 4.4.1		2022-06-28
		17	Temperature Stability	《IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems》 IEEE 1547.1-2005 5.1		2022-06-28
6	Inverter	1	Maximum-Voltage Measurements	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 42		2022-06-28
		2	Temperature	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 43		2022-06-28
		3	Dielectric Voltage-	《Inverters, Converters,Controllers and Interconnection System		2022-06-28

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			Withstand Test	Equipment for Use With Distributed Energy Resources》 UL 1741-2010 44		
		4	Output Power Characteristics	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45		2022-06-28
		5	Output ratings	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45.2		2022-06-28
		6	input range	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45.3		2022-06-28
		7	Harmonic distortion	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 45.4		2022-06-28
		8	General	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.1		2022-06-28
		9	Output overload test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.2		2022-06-28
		10	Short-circuit test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.3		2022-06-28
		11	DC input miswiring test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.4		2022-06-28
		12	Ventilation test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL		2022-06-28

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				1741-2010 47.5		
		13	Component short-and open-circuit	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.6		2022-06-28
		14	load transfer test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 47.7		2022-06-28
		15	loss of Control Circuit	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 48		2022-06-28
		16	Overcurrent Protection Calibration Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 49		2022-06-28
		17	Strain Relief Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 50		2022-06-28
		18	Dielectric voltage-withstand test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 51.2		2022-06-28
		19	Shorted trace test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 51.3		2022-06-28
		20	Bonding Conductor Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 52		2022-06-28
		21	Voltage Surge Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL		2022-06-28

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				1741-2010 53		
		22	Calibration Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 54		2022-06-28
		23	Overvoltage Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 55		2022-06-28
		24	Current Withstand Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 56		2022-06-28
		25	Capacitor Voltage Determination test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 57		2022-06-28
		26	Stability	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 58		2022-06-28
		27	Static Load	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 59		2022-06-28
		28	Compression Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 60		2022-06-28
		29	Rain Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 61.2		2022-06-28
		30	Dielectric Voltage-Withstand Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL		2022-06-28

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				1741-2010 67		
		31	Utility Voltage and Frequency Vanriation Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 68		2022-06-28
		32	Input and output faults	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 76.2		2022-06-28
		33	Charge controller miswiring	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 76.3		2022-06-28
		34	Low-voltage disconnect	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 76.4		2022-06-28
		35	AC Module Inverter Securement Test	《Inverters, Converters,Controllers and Interconnection System Equipment for Use With Distributed Energy Resources》 UL 1741-2010 83		2022-06-28
7	Grid-connected PV inverter	1	Fault-tolerance of residual current monitoring	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.4.4.15.1		2022-06-28
		2	Fault-tolerance of automatic disconnecting means	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.4.4.15.2		2022-06-28
		3	Stand-alone inverters – Load transfer test	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011		2022-06-28

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				4.4.4.16		
		4	Cooling system failure – Blanketing test	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.4.4.17		2022-06-28
		5	Stand-alone Inverter AC output voltage and frequency	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.7.4		2022-06-28
		6	Stand-alone inverter output voltage waveform	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.7.5		2022-06-28
		7	Array insulation resistance detection for inverters for ungrounded arrays	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.2.1		2022-06-28
		8	Array insulation resistance detection for inverters for functionally grounded arrays	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.2.2		2022-06-28
		9	30mA touch current type test for isolated inverters	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.3.2		2022-06-28

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		10	Fire hazard residual current type test for isolated inverters	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.3.3		2022-06-28
		11	Protection by residual current monitoring	《Safety of power converters for use in photovoltaic power systems – Part 2: Particular requirements for inverters》 IEC 62109-2-2011 4.8.3.5		2022-06-28
		12	Power Factor	《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005 附录 A		2022-06-28
		13	Harmonic Current	《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005 附录 B		2022-06-28
		14	Transient voltage limits	《Grid connection of energy systems via inverters—Part 2: Inverter requirements》 AS 4777.2-2005 附录 C		2022-06-28
8	PV inverter	1	Static MPPT efficiency	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010 4.3		2022-06-28
		2	Dynamic MPPT efficiency	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010 4.4		2022-06-28
		3	Static power conversion efficiency	《Overall efficiency of grid connected photovoltaic inverters》 EN 50530-2010 4.5		2022-06-28
		4	Test for single or multi-phase inverter	《Test Procedure of islanding prevention measures for utility-interconnected photovolatic inverters 》 IEC 62116-2014 6		2022-06-28
		5	Rapid voltage changes	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-		2022-06-28

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				100:2013-10 5.1.2		
		6	Voltage Flicker	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.1.3		2022-06-28
		7	Verification of Symmetry of Three-Phase CurrentConverter Units	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.2		2022-06-28
		8	Verification of the Generator Unit's Performance in the Grid	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.3		2022-06-28
		9	Verification of NA Protection	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.4		2022-06-28
		10	Connecting Conditions and Synchronization	《Grid integration of generator plants – Low-voltage – Test requirements for generator units to be connected to and		2022-06-28

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				operated in parallel with low-voltage distribution networks》 DIN VDE V 0124-100:2013-10 5.5		
9	PV inverter	1	Fuctiong test procedure-inverters	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.2.3		2022-06-28
		2	Insulation test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 11.4		2022-06-28
		3	Outdoor exposure test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.5		2022-06-28
		4	Protection against mechanical impact(IK-code)	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.6		2022-06-28
		5	Shipping vibration test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.8		2022-06-28
		6	Shock test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.9		2022-06-28
		7	UV test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.10		2022-06-28
		8	Thermal cycling test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.11		2022-06-28

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		9	Humidity-freeze test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.12		2022-06-28
		10	Damp heat test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.13		2022-06-28
		11	Robustness of teminals test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.14		2022-06-28
		12	Damp heat,cyclic test	《Balance-of-system components for photovoltaic systems-Design qualification natural environments》 IEC 62093:2005 条款 11.15		2022-06-28
10	Inverter of wind and solar energy supply power system for off-grid	1	Output voltage and Output frequency	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.2		2022-06-28
		2	Waveform output	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.3		2022-06-28
		3	effectiveness	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.4		2022-06-28
		4	Temperature Rise	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.5		2022-06-28
		5	protection	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.6		2022-06-28
		6	Load level	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.7		2022-06-28
		7	Load loss	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.8		2022-06-28

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		8		《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.9		2022-06-28
		9	High and low temperature	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.1		2022-06-28
		10	Vibration and free fall	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.11		2022-06-28
		11	Insulation resistance and dielectric strength	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.12		2022-06-28
		12	Working hours before the first failure	《Inverter of wind and solar energy supply power system for off-grid-Part 2:Testing method》 GB/T 20321.2-2006 5.15		2022-06-28
11	photovoltaic power station	1	Three-phase voltage unbalance	《Test code for power quality of photovoltaic power station》 NB/T 32006-2013 7.2.1		2022-06-28
		2	Three-phase current imbalance	《Test code for power quality of photovoltaic power station》 NB/T 32006-2013 7.2.2		2022-06-28
		3	Current harmonic detection	《Test code for power quality of photovoltaic power station》 NB/T 32006-2013 7.4.1		2022-06-28
		4	Between current harmonic detection	《Test code for power quality of photovoltaic power station》 NB/T 32006-2013 7.4.2		2022-06-28
		5	Active power output characteristics detected	《Testing code for power control of photovoltaic power station》 NB/T 32007-2013 7.2		2022-06-28
		6	Active power change detection (photovoltaic power stations starting condition)	《Testing code for power control of photovoltaic power station》 NB/T 32007-2013 7.3.1		2022-06-28

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		7	Active power change detection (photovoltaic power stations shut down condition)	《Testing code for power control of photovoltaic power station》 NB/T 32007-2013 7.3.2		2022-06-28
		8	Ability to detect active power control	《Testing code for power control of photovoltaic power station》 NB/T 32007-2013 7.4		2022-06-28
		9	The ability to detect reactive power output	《Testing code for power control of photovoltaic power station》 NB/T 32007-2013 7.5		2022-06-28
		10	The ability to detect reactive power control	《Testing code for power control of photovoltaic power station》 NB/T 32007-2013 7.6		2022-06-28
12	PV grid-connected inverter	1	Voltage, current and frequencyNormal voltage operating range	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 4.1,4.2		2022-06-28
		2	Flicker	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 4.3		2022-06-28
		3	DC injection	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 4.4		2022-06-28
		4	Harmonics and waveform distortion	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 4.5		2022-06-28
		5	Power factor	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 4.7		2022-06-28
		6	Over/under voltage	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 5.2.1		2022-06-28
		7	Over/under frequency	《Photovoltaic(PV)-Characteristics of the utility interface》		2022-06-28

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				IEC 61727:2004 条款 5.2.2		
		8	Islanding protection	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 5.3		2022-06-28
		9	Response to utility recovery	《Photovoltaic(PV)-Characteristics of the utility interface》 IEC 61727:2004 条款 5.4		2022-06-28
13	photovoltaic power station	1	PV array testing	《God for construction of PV power station》 GB 50794-2012 6.2		2022-06-28
		2	Inverter debugging	《God for construction of PV power station》 GB 50794-2012 6.4		2022-06-28
14	photovoltaic power station	1	PV string conformance test	《On-site testing procedure for PV module of PV power station》 NB/T 32034-2016 8.1		2022-06-28
		2	insulation impedance measurement test of PV array	《On-site testing procedure for PV module of PV power station》 NB/T 32034-2016 8.4		2022-06-28
		3	efficiency test of PV module	《Crystalline silicon photovoltaic(PV) array On-site measurement of I-V charateristics》 GB/T 18210-2000 5.1		2022-06-28
		4	current-voltage characteristics test	《Photovoltaic devices Part1：Measurement of photovoltaic current-voltage characteristics》 GB/T 6495.1-1996 3		2022-06-28
15	photovoltaic power station	1	Voltage deviation	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 条款 4		2022-06-28
		2	Reactive power	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 条款 5		2022-06-28
		3	Reactive power capacity	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 条款 6		2022-06-28

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		4	Reactive power supplement device	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 条款 7		2022-06-28
		5	Voltage regulation	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 条款 8		2022-06-28
		6	Reactive voltage control system	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 条款 9		2022-06-28
		7	Monitoring and assessment	《Technical specification for reactive power compensation of PV power station》 GB/T 29321-2012 条款 10		2022-06-28
16	photovoltaic power station	1	low voltage ride through	《Technical rule for connecting photovoltaic power srarion to power grid》 Q/GDW 1617-2015 8.2		2022-06-28
		2	high voltage ride through	《Technical rule for connecting photovoltaic power srarion to power grid》 Q/GDW 1617-2015 8.3		2022-06-28
17	photovoltaic power station	1	harmonic	《Quality of electric energy supply Harmonics in public supply network》 GB/T 14549-1993		2022-06-28
		2	Interharmonics	《Power quality-Interharmonics in public supply network》 GB/T 24337-2009		2022-06-28
		3	Deviation of voltage	《Power quality-Deviation of supply voltage》 GB/T 12325-2008		2022-06-28
		4	Voltage flicker	《Power quality-Voltage flicker》 GB/T 12326-2008		2022-06-28
		5	Voltage imbalance	《Power quality-Three-phase voltage unbalance》 GB/T 15543-2008		2022-06-28
		6	DC component	《Technical requirements for grid connection of distributed		2022-06-28

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				resources》 GB/T 33593-2017 4.6		
18	PV inverter	1	Environmental conditions	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.1		2022-06-28
		2	Performance test platform	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.1		2022-06-28
		3	Maximum conversion efficiency	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.2.1		2022-06-28
		4	Inversion efficiency curve	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.2.2		2022-06-28
		5	And net current harmonic test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.3		2022-06-28
		6	Power Factor test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.4		2022-06-28
		7	Grid voltage response test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.5		2022-06-28
		8	Grid frequency response test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.6		2022-06-28
		9	DC component test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.7		2022-06-28
		10	Voltage unbalance test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.8		2022-06-28
		11	Noise Test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.3.9		2022-06-28
		12	Anti-islanding protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.1.1		2022-06-28

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		13	Low voltage ride through test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.1.2		2022-06-28
		14	AC short circuit protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.1.3		2022-06-28
		15	"Anti-anti-discharge protection"test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.2		2022-06-28
		16	Reverse polarity protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.3		2022-06-28
		17	DC overload protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.4		2022-06-28
		18	DC over voltage protection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.5.5		2022-06-28
		19	insulation impedance measurement test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.6		2022-06-28
		20	Square residual current detection test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.7		2022-06-28
		21	communication function test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.8		2022-06-28
		22	Switcher	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.9		2022-06-28
		23	Soft Start	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.1		2022-06-28
		24	Measurement of insulation resistance test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.11.1		2022-06-28

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		25	Insulation strength test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.11.2		2022-06-28
		26	power control and voltage regulation test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.14		2022-06-28
		27	Active controlled trial test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.14.1		2022-06-28
		28	Voltage / reactive power regulation test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.14.2		2022-06-28
		29	continuous work test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.15		2022-06-28
		30	Temperature Rise test	《Technical Specification and Test Method of Grid-connected PV inverter less than 400V》 CNCA/CTS 0004-2009A 6.16		2022-06-28
19	Grid connected PV systems	1	Photovoltaic efficiency ratio of photovoltaic power station（PR）	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 6.3		2022-06-28
		2	Photovoltaic power plant standard energy efficiency ratio PRstc	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 6.4		2022-06-28
		3	Measurement and correction of light intensity and junction temperature	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 7.3		2022-06-28
		4	Corrected formula for current, voltage and power	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 7.4		2022-06-28

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		5	Photovoltaic component visual quality verification	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.4		2022-06-28
		6	Bracket mounting form, bracket material, corrosion protection and quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.5		2022-06-28
		7	Square matrix basic form	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.6		2022-06-28
		8	PV array arrangement and installation quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.7		2022-06-28
		9	DC cable quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.8		2022-06-28
		10	Cable laying quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.9		2022-06-28
		11	Confluence box installation location, installation quality and function	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.10		2022-06-28
		12	Inverter installation concentration, machine room installation location, ventilation conditions and construction quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.12		2022-06-28
		13	Transformer type, installation location	《Guideline of Performance Testing and Quality Assessment for		2022-06-28

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			and installation quality	Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.13		
		14	Lightning protection grounding installation method and installation quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.14		2022-06-28
		15	Power plant fence form, height and construction quality	《Guideline of Performance Testing and Quality Assessment for Grid-connected PVPower Plants》 CNCA/CTS 0016-2015 8.15		2022-06-28
20	Grid connected PV systems	1	Meteorological environment parameter	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 4.2		2022-06-28
		2	The monitoring of dc voltage, current and power	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS0016-2015 4.3.1		2022-06-28
		3	The monitoring of ac voltage, current and power	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS0016-2015 4.3.2		2022-06-28
		4	The monitoring of power quality and power factor	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 4.3.3		2022-06-28
		5	Photovoltaic power station overall performance evaluation	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9		2022-06-28
		6	Actual installation power for verification	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS0016-2015 8.2		2022-06-28

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		7	Photovoltaic capacity and ratio of inverter capacity for verification	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.3		2022-06-28
		8	Junction box of the positive and negative electrode clearance/creepage distance	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 8.11		2022-06-28
		9	Photovoltaic modules of infrared (IR) scan	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.2		2022-06-28
		10	Photovoltaic system stain and dust cover losses	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.3		2022-06-28
		11	Pv array temperature loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.4		2022-06-28
		12	Photovoltaic modules power failure	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.5		2022-06-28
		13	Photovoltaic modules of electroluminescent (EL) detection	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.6		2022-06-28
		14	Group of bunch of photovoltaic modules in series mismatch loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.2		2022-06-28

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		15	Multiple groups of series-parallel mismatch loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.3		2022-06-28
		16	Multiple junction box parallel mismatch loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.4		2022-06-28
		17	Each string to set series of inverter parallel mismatch	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.7.5		2022-06-28
		18	Photovoltaic string to the junction box set of dc line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.8.2		2022-06-28
		19	Junction box to the inverter dc line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.8.3		2022-06-28
		20	Photovoltaic string to group series inverter dc line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.8.4		2022-06-28
		21	Cover loss between the pv array	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.9		2022-06-28
		22	Adopt the centralized inverter ac line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.10.1		2022-06-28
		23	Using group series inverter ac line loss	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.10.2		2022-06-28

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		24	Inverter efficiency	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.11		2022-06-28
		25	In situ step-up transformer efficiency	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.13		2022-06-28
		26	Photovoltaic phalanx insulation	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.14		2022-06-28
		27	The grounding continuity test	《Guideline of Performance Testing and Quality Assessment for Grid-connected PV Power Plants》 CNCA/CTS 0016-2015 9.15		2022-06-28
		28	Power quality test	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.1		2022-06-28
		29	Active/reactive power control	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.2		2022-06-28
		30	Low voltage across	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.4		2022-06-28
		31	Voltage/frequency to adapt to the ability to test and verify	《Photovoltaic power station connected to the electric power system technical regulations》 GB/T 19964-2012 9.16.5		2022-06-28
		32	Main transformer selection	《Technical requirements for connecting photovoltaic power station to power system》 GB/T 19964-2012 8		2022-06-28
		33	The lonely island	《Photovoltaic power generation system connected to the distribution network technical regulations》 GB/T 29319-2012 9.16.3		2022-06-28

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21	Energy storage converter used for PV generation system	1	The durability of the logo	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 6.1.4		2022-06-28
		2	Uv exposure	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.2.1		2022-06-28
		3	Test to check	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.1		2022-06-28
		4	Protect the connection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.2		2022-06-28
		5	Contact current	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.3		2022-06-28
		6	Dielectric properties of validation	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.3.4		2022-06-28
		7	Stability test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.1		2022-06-28
		8	Handling requirements	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.2		2022-06-28
		9	Terminal mechanical strength test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.3.2		2022-06-28
		10	Terminal bending test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.3.3		2022-06-28
		11	Terminal pull test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.4.3.4		2022-06-28
		12	Heating wire ignition test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.1.5.2		2022-06-28
		13	The basic functional verification	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.2		2022-06-28

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		14	Electrical properties general requirements	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.1		2022-06-28
		15	Temperature rise	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.2		2022-06-28
		16	The power quality	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.3		2022-06-28
		17	Over/under-voltage protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.1		2022-06-28
		18	Lead/low frequency protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.2		2022-06-28
		19	Polarity or phase sequence error protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.3		2022-06-28
		20	Dc input overload protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.4		2022-06-28
		21	Short circuit protection	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.5		2022-06-28
		22	Operating overvoltage	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.6		2022-06-28
		23	The island to protect	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.3.4.7		2022-06-28
		24	Power control	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.5		2022-06-28
		25	Phalanx insulation impedance test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.6.1		2022-06-28
		26	Square residual current test	《Technical Specification of Energy storage converter used for		2022-06-28

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		№	Item/ Parameter			
				PV generation system》 CNCA/CTS 0022-2013 8.6.2		
		27	Running state	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.7		2022-06-28
		28	Switch time	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.8		2022-06-28
		29	On the energy storage battery management system (BMS) function general requirements	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.9		2022-06-28
		30	Constant humid heat test	《Technical Specification of Energy storage converter used for PV generation system》 CNCA/CTS 0022-2013 8.10.4		2022-06-28
22	Power converter	1	Thermal testing	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.3		2022-06-28
		2	Testing in single fault condition	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.4		2022-06-28
		3	Humidity preconditioning	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.5		2022-06-28
		4	Electrical ratings tests	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 4.7		2022-06-28
		5	Protection against direct contact	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				7.3.4		
		6	Rating of protective bonding	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.3.6.3.3		2022-06-28
		7	Clearance distances and Creepage distances	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.3.7.4 and 7.3.7.5		2022-06-28
		8	Protection against shock hazard due to stored energy	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.3.9		2022-06-28
		9	Protection against energy hazards	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.4		2022-06-28
		10	Impulse voltage test (type test)	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.1		2022-06-28
		11	Voltage test (dielectric strength test) (type test and routine test)	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.2		2022-06-28
		12	Partial discharge test（type test or sample test）	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.3		2022-06-28
		13	Touch current measurement (type test)	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 7.5.4		2022-06-28
		14	Provisions for lifting and carrying	《Safety of power converters for use in photovoltaic power		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				systems — Part 1: General requirements》 IEC 62109-1-2010 8.4		
		15	Limited power source test	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 9.2.2		2022-06-28
		16	Cord anchorages and strain relief	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.3.2.5		2022-06-28
		17	Stress relief test	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.6.2.1		2022-06-28
		18	250 N deflection test for metal enclosures	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.7.2		2022-06-28
		19	7 J impact test for polymeric enclosures	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.7.3		2022-06-28
		20	Drop Test	《Safety of power converters for use in photovoltaic power systems — Part 1: General requirements》 IEC 62109-1-2010 13.7.4		2022-06-28
23	Transducer	1	Clearances and creepage distances	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.2.1		2022-06-28
		2	PWB short-circuit（type test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.2.2		2022-06-28
		3	Deflection test（type test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				61800-5-1-2007		
		4	Impact test（type test and sample test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.2.5.3		2022-06-28
		5	Impulse voltage test（type test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.1		2022-06-28
		6	AC or DC voltage（type test and routine test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.2		2022-06-28
		7	Partial Discharge（type test，sample test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.3		2022-06-28
		8	Protective Impedance （type test and routine test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.4		2022-06-28
		9	Touch current measurement（type test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.5		2022-06-28
		10	Short-circuit test	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.6.3		2022-06-28
		11	Breakdown of components	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.6.4		2022-06-28
		12	Capacitor discharge	《Adjustable speed electrical power drive systems - Part 5-1:		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			（type test）	Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.7		
		13	Temperature Rise（type test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.8		2022-06-28
		14	Protective bonding（type test and routine test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.3.9		2022-06-28
		15	Loss of phase（type test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.4		2022-06-28
		16	Inoperative blower	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.5.2		2022-06-28
		17	Clogged filter	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.5.3		2022-06-28
		18	Lose of coolant	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.4.5.4		2022-06-28
		19	High current arcing ignition（type test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.1		2022-06-28
		20	Hot wire Ignition test(type test-alternative to Glow-wire test)	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.3		2022-06-28
		21	Flammability test	《Adjustable speed electrical power drive systems - Part 5-1:		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			（type test）	Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.5		
		22	Flammability	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.5.4		2022-06-28
		23	Hydrostatic pressure（type test and routine test）	《Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy》 IEC 61800-5-1-2007 5.2.7		2022-06-28
24	AC connector	1	Error protected with	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.3		2022-06-28
		2	Protection against eletric shock	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.4		2022-06-28
		3	Terminals,end and connection conductor	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.5		2022-06-28
		4	Structure	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.6		2022-06-28
		5	Prevent harmful solid matter	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.7.1		2022-06-28
		6	Prevent water intrusion	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.7.2		2022-06-28
		7	Insulation stength and dielectric strength	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.8		2022-06-28
		8	The structure of contact element	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.9		2022-06-28
		9	Temperature rise	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.10		2022-06-28

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		№	Item/ Parameter			
		10	Breaking capacity	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.11		2022-06-28
		11	Separation force of the connector	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.12		2022-06-28
		12	Cable and cable connection	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.13		2022-06-28
		13	Mechanical strength	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.14		2022-06-28
		14	Thread parts,current carring parts and fittings	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.15		2022-06-28
		15	Clearance and creepage distance and the along the solid insulation	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 6.16		2022-06-28
		16	Ball pressure test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 7.1.1		2022-06-28
		17	The performance of resistance to hot and humid and temperature changes	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 7.1.2.1		2022-06-28
		18	High temperature resistance performance	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 7.1.3		2022-06-28
		19	Current loop resistance aging test	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 7.1.4		2022-06-28
		20	Insulation heat resistant,flame retardant,resistance	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 7.2.1		2022-06-28

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		№	Item/ Parameter			
			to ultraviolet light			
		21	Resistant to tracking	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 7.2.2		2022-06-28
		22	Corrosion resistant	《Technical Specification for AC Connectors Using in Photovoltaic Systems》 CNCA/CTS 0046-2014 条款 7.3		2022-06-28
25	Photovoltaic (PV) systems	1	Continuity of protective earthing and equipotential bonding conductors	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.1		2022-06-28
		2	Polarity test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.2		2022-06-28
		3	PV string combiner box test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.3		2022-06-28
		4	PV string – Open circuit voltage measurement	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.4		2022-06-28
		5	PV string – circuit test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 6.5		2022-06-28
		6	Functional tests	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				inspection》 IEC 62446-1-2016 6.6		
		7	PV array insulation resistance test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 条款 6.7		2022-06-28
		8	String I-V curve measurement	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 7.2		2022-06-28
		9	PV array infrared camera inspection procedure	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 7.3		2022-06-28
		10	Voltage to ground – Resistive ground systems	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 条款 8.1		2022-06-28
		11	Blocking diode test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 8.2		2022-06-28
		12	PV array – Wet insulation resistance test	《Photovoltaic (PV) systems – Requirements for testing, documentation and maintenance – Part 1: Grid connected systems – Documentation, commissioning tests and inspection》 IEC 62446-1-2016 8.3		2022-06-28
26	electrochemical energy storage system	1	Charge and discharge conversion time	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.1.2		2022-06-28

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		№	Item/ Parameter			
			detection			
		2	Current error detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.1.3.1		2022-06-28
		3	Constant current charging steady flow accuracy test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.1.3.2		2022-06-28
		4	Constant current charge current ripple factor detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.1.3.3		2022-06-28
		5	Voltage error detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.1.3.4		2022-06-28
		6	Constant voltage charging voltage stability test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.1.3.5		2022-06-28
		7	Constant voltage charge voltage ripple detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.1.3.6		2022-06-28
		8	Active and off-grid switching detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.2.2		2022-06-28
		9	Passive and off-grid switching time detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.2.3		2022-06-28
		10	Detection of rectifying efficiency	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.3.2		2022-06-28
		11	Detection of contravariant efficiency	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.3.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		12	Standby loss detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.3.4.1		2022-06-28
		13	No-load loss detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.3.4.2		2022-06-28
		14	Overload detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.4		2022-06-28
		15	Current harmonic detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.1		2022-06-28
		16	Voltage harmonic detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.2		2022-06-28
		17	Intercurrent harmonic detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.3		2022-06-28
		18	Intervoltage harmonic detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.4		2022-06-28
		19	Continuous running test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.5.1		2022-06-28
		20	Stop operation test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.5.2		2022-06-28
		21	Parallel three phase unbalanced degree	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.6.1		2022-06-28
		22	Off-grid three phase unbalance	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.6.2		2022-06-28
		23	Dc component detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.7		2022-06-28
		24	Output voltage deviation detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		25	Output frequency deviation detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.9		2022-06-28
		26	Voltage dynamic transient detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.5.10		2022-06-28
		27	Active power control detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.6.1		2022-06-28
		28	Reactive power output detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.6.2.1		2022-06-28
		29	Test of reactive power control capability	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.6.2.2		2022-06-28
		30	Power factor detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.6.3		2022-06-28
		31	Frequency adaptive detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.7.1		2022-06-28
		32	Voltage adaptive detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.7.2		2022-06-28
		33	Low voltage crossing ability detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.8		2022-06-28
		34	Detection of protection of isolated island	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.9		2022-06-28
		35	Dielectric strength detection	《Low-voltage switchgear and controlgear assemblies—Part 1:General rules》 GB/T 7251.1-2013 10.9		2022-06-28
		36	Electrical clearance and creepage distance detection	《Low-voltage switchgear and controlgear assemblies—Part 1:General rules》 GB/T 7251.1-2013 11.3		2022-06-28

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		№	Item/ Parameter			
		37	Temperature rise test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.10.2		2022-06-28
		38	Noise testing	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.10.3		2022-06-28
		39	Low temperature environmental detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.10.4		2022-06-28
		40	High temperature environmental detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.10.5		2022-06-28
		41	Humidity and heat detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.10.6		2022-06-28
		42	Shell protection level detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.10.7		2022-06-28
		43	Short circuit protection test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.1		2022-06-28
		44	Polarity reverse protection detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.2		2022-06-28
		45	Dc overvoltage protection test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.3.1		2022-06-28
		46	Dc undervoltage protection detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.3.2		2022-06-28
		47	Off-grid overcurrent protection detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.4		2022-06-28
		48	Temperature protection test	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.5		2022-06-28
		49	Ac incoming line phase sequence	《Testing code for power converter of electrochemical energy		2022-06-28

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		№	Item/ Parameter			
			protection detection	storage system》 GB/T 34133-2017 6.11.6		
		50	Communication failure protection detection	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.7		2022-06-28
		51	Fault protection detection of cooling system	《Testing code for power converter of electrochemical energy storage system》 GB/T 34133-2017 6.11.8		2022-06-28
27	electrochemical energy storage system	1	Body and structure quality	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.2		2022-06-28
		2	Functional requirements	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.3		2022-06-28
		3	The efficiency of	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.1		2022-06-28
		4	loss	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.2		2022-06-28
		5	Overload capacity	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.3		2022-06-28
		6	Current total harmonic distortion rate	《Power quality-Voltage fluctuation and flicker》 GB/T 14549-1993		2022-06-28
		7	Dc component	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.5		2022-06-28
		8	Voltage fluctuation and flicker	《Power quality-Voltage fluctuation and flicker》 GB/T 12326-2008		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Power control accuracy	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.7		2022-06-28
		10	The power factor	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.8		2022-06-28
		11	Steady flow precision and current ripple	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.9		2022-06-28
		12	Voltage stabilizing precision and current ripple	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.10		2022-06-28
		13	Frequency response	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.11.1		2022-06-28
		14	Voltage response	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.11.2		2022-06-28
		15	Low voltage crossing	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.12		2022-06-28
		16	Charge and discharge conversion time	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.13		2022-06-28
		17	Voltage deviation	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.14		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		18	Voltage total harmonic distortion rate	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.15		2022-06-28
		19	Voltage imbalance	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.16		2022-06-28
		20	Dynamic voltage transient range	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.17		2022-06-28
		21	Temperature rise	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.18		2022-06-28
		22	noise	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.19		2022-06-28
		23	The low temperature performance	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.20.1		2022-06-28
		24	The high temperature performance	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.20.2		2022-06-28
		25	Moisture resistance	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.4.20.3		2022-06-28
		26	Short circuit protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.1		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		27	Polarity reverse protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.2		2022-06-28
		28	Dc over/undervoltage protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.3		2022-06-28
		29	Off-grid overcurrent protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.4		2022-06-28
		30	Over temperature protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.5		2022-06-28
		31	Communication in line with the wrong protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.6		2022-06-28
		32	Communication failure protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.7		2022-06-28
		33	Cooling system failure protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.8		2022-06-28
		34	Island protection	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.5.9		2022-06-28
		35	communication	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.6		2022-06-28
		36	Insulation resistance	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				5.7.1		
		37	Dielectric strength	《Technical specification for power conversion system of electrochemical energy storage system》 GB/T 34120-2017 5.7.2		2022-06-28
		38	Electrical clearance and creepage distance	《Low-voltage switchgear and controlgear assemblies—Part 1:General rules》 GB/T 7251.1-2013 11.3		2022-06-28
28	Photovoltaic grid-connected inverter	1	Clearance	《Insulation coordination for equipment within low-voltage systems-Part 1：Principles，requirements and tests》 GB/T 16935.1-2008 6.2		2022-06-28
		2	Creepage distance	《Insulation coordination for equipment within low-voltage systems-Part 1：Principles，requirements and tests》 GB/T 16935.1-2008 6.2		2022-06-28
29	Grid connected PV systems	1	Power ratio	《Residential gird-connected photovoltaic(PV) system-Part 6: Performance evaluation method》 T/CPIA 0011.6-2019 4.3		2022-06-28
		2	System Performance Ratio	《Residential gird-connected photovoltaic(PV) system-Part 6: Performance evaluation method》 T/CPIA 0011.6-2019 4.2		2022-06-28
30	Photovoltaic grid-connected inverter		All parameter	《Technical specification of PV grid-connected inverter》 NB/T 32004-2018	The electromagnetic compatibility project was launched in dongting	2022-06-28
31	Grid connected PV systems		All parameter	《Basic acceptance requirements for grid-connected PV systems》 CNCA/CTS 0004-2010		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
32	Grid connected PV systems		All parameter	《Targeted poverty alleviation-Technical guide of village photovoltaic power station》 GB/T 36115-2018		2022-06-28
33	Grid connected PV systems		All parameter	《Targeted poverty alleviation-Management and evaluation guide of village photovoltaic power station》 GB/T 36119-2018		2022-06-28
34	Grid connected PV systems		All parameter	《Residential gird-connected photovoltaic(PV) system-Part 4: Code for acceptance》 T/CPIA 0011.4-2019		2022-06-28
35	Combiner box for photovoltaic power station		All parameter	《Technical requirement of combiner box for photovoltaic power station》 GB/T 34936-2017	The electromagnetic compatibility project was launched in dongting	2022-06-28
36	Technical code for combiner box test of photovoltaic power station		All parameter	《Technical code for combiner box test of photovoltaic power station》 GB/T 34933-2017	The electromagnetic compatibility project was launched in dongting	2022-06-28
37	photovoltaic grid-connected inverter		All parameters	Technical requirements for photovoltaic gird-connected inverter GB/T 37408-2019	The electromagnetic compatibility project was launched in dongting	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
38	photovoltaic grid-connected inverter		All parameters	Testing specification for photovoltaic grid-connected inverter GB/T 37409-2019	The electromagnetic compatibility project was launched in dongting	2022-06-28
39	photovoltaic power systems		Some parameters	Acceptance specification of building integrated photovoltaic power systems GB/T 37655-2019	Do not do detailed structural engineering acceptance, energy storage system acceptance, DC side high voltage protection measures inspection, AC power distribution equipment acceptance, power quality, secondary system,	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					micro grid system acceptance, protection devices and equipotential bodies, lightning protection and grounding, photovoltaic and building integrated power generation system acceptance	
40	PV inverter	1	Sinusoidal variable frequency vibration test	Packaging-Basic tests for transport packages-Part 10:Sinusoidal vibration test method using at variable vibration frequency GB/T 4857.10-2005		2022-06-28
41	earth resistivity	1	The grounding impedance	Guide for measuring earth resistivity,ground impedance and earth surface phtentials of a ground system-Part 1:Normal measurements GB/T 17949.1-2000 8	Ground impedance only (three point method)	2022-06-28
42	household hybrid photovoltaic and storage		some parameters	Test of household hybrid photovoltaic and storage converter GB/T 41240-2022	Except for electromagnetic compatibili	2023-06-19

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	converter				ty performanc e test	
43	Photovoltaic inverter		All parameters	The grid-connected inverter regulations of the Provincial Electricity Authority(PEA 2016) PEA 2016		2023-06-19
44	Photovoltaic inverter		All parameters	The grid-connected inverter regulations of the Metropolitan Electricity Authority (MEA 2015) MEA 2015		2023-06-19
45	Grid-connected PV Power Plants		Some parameters	Technical specifications for performance testing and quality assessment of key equipment for Grid-connected PV Power Plants NB/T 10185-2019	Olny test Electrolumi nescence test of photovoltai c module and Thickness test of galvanized coating	2023-06-19
46	photovoltaic power station		Some parameters	Testing code for photovoltaic power station connected to power grid GB/T 31365-2015	Only test Active power output characterist ics and Active power change	2023-06-19
47	electronic products		All parameters	Accelerated stress testing procedures for electric and electronic products-Guidance for highly accelerated life test GB/T 29309-2012		2023-06-19

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
6、Additive manufacturing material&parts						
1	Metallic materials	1	Compression testing	《Metallic materials-Compression testing at ambient temperature》 GB/T 7314-2017	Except for compressive modulus of elasticity	2022-06-28
		2	Charpy pendulum impact	《Metallic materials –Charpy pendulum impact test method》 GB/T 229-2020	Accredited only for Normal temperature to -60°C under 300J	2022-06-28
		3	Metal high-temperature tensile strength testing	《Metallic materials - Tensile testing of metallic materials - Part second: Test methods for high temperature》 GB/T 228.2-2015	Accredited only for ：200℃~1200℃ ≤300kN，Method B，Circular Specimen	2022-06-28
		4	Alloy compressive strength testing	《Hardmetals.Compression test》 GB/T 23370-2009		2022-06-28
		5	Determination of transverse rupture strength alloy	《Method for determination of transverse rupture strength of cemented carbide》 GB/T 3851-2015		2022-06-28
		6	Erichsen cupping test	《Metallic materials.Sheet and strip.Erichsen cupping test》 GB/T 4156-2020		2022-06-28
		7	fluidity	《Metallic powders.Determination of flow time by means of a calibrated funnel(Hall flowmeter)》 GB/T 1482-2010		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《Standard Test Methods for Flow Rate of Metal Powders Using the Carney Funnel》 ASTM B964- 2016		2022-06-28
		8	Bulk Density	《Metallic powders—Determination of apparent density—Part 1:Funnal method》 GB/T 1479.1-2011		2022-06-28
				《Metallic powders—Determination of apparent density—Part 2:Scott volumeter method》 GB/T 1479.2-2011		2022-06-28
		9	Grain size distribution	《Standard Test Method for Particle Size Distribution of Metal Powders and Related Compounds by Light Scattering》 ASTM B822-2017		2022-06-28
				《Particle size analysis.Laser diffraction methods》 GB/T 19077-2016/ISO 13320-2009		2022-06-28
		10	Sieving size	《Metallic powders.Determination of particle size by dry sieving》 GB/T 1480-2012	Accredited only for approximate same axis of metal powder。Accredited only for 45μm~125 μm pore size screening 。	2022-06-28
				《Standard Test Method for Sieve Analysis of Metal Powders》 ASTM B214-2016	Accredited only for 45μm~125 μm pore size	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					screening	
		11	Vibration density	《Standard Test Method for Tap Density of Metal Powders and Compounds》 ASTM B527-2015		2022-06-28
		12	Metal densitometry	《Impermeable sintered metal materials and hardmetals--Determination of density》 GB/T 3850-2015		2022-06-28
		13	Effective density	《Metallic powders.Determination of effective density.Liquid immersion method》 GB/T 5161-2014		2022-06-28
		14	Powder sphericity	《Representation of results of particle size analysis-Part 6:Qualitative and quantitative representation of particle shape and morphology》 GB/T 15445.6-2014	Accredited only for Roundness	2022-06-28
2	Metallic materials	1	Corrosion resistan	《Corrosion-resistantt esting methodof t he metald eposits and conversioncoatings for the light industrial productsNe ut ra ls alts praying test (NSS)》 QB/T 3826-1999		2022-06-28
3	Metallic materials and parts	1	tensile strength	《Test pieces and method for tensile test for wrought alumimium and magnesium alloys products》 GB/T 16865-2013 6.9.2	Accredited only for tension less than 1000KN	2022-06-28
		2	Proof strength,non-proportional extension	《Test pieces and method for tensile test for wrought alumimium and magnesium alloys products》 GB/T 16865-2013 6.9.1	Accredited only for tension less than 1000KN	2022-06-28
		3	Elongation rate	《Test pieces and method for tensile test for wrought alumimium and magnesium alloys products》 GB/T 16865-2013 6.9.3	Accredited only for tension less than 1000KN	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Section shrinkage	《Test pieces and method for tensile test for wrought alumimium and magnesium alloys products》 GB/T 16865-2013 6.9.4	Accredited only for tension less than 1000KN	2022-06-28
		5	Low multiple Structurereview grade	《Structural steel low Multiple Structurereview grade》 GB/T 1979-2001		2022-06-28
				《Test method for macrostructure and defect of steel by etching》 GB/T 226-2015	Accredited only for hot acid corrosion method and cold acid corrosion method	2022-06-28
		6	microscopic structure	《Determination of free cementite,pearlite and widmanstaten structure in steel》 GB/T 13299-2022		2023-06-19
				《Inspection methods of microstructure for metals》 GB/T 13298-2015		2022-06-28
		7	Average crystal grain size	《average metal grain degreemesurement methods》 GB/T 6394-2017	Accredited only for comparison method, intercept method	2022-06-28
		8	Non metal components	《microscopic structure review methods of non metal components in the steel》 GB/T 10561-2005		2022-06-28
		9	Metallographic test for spheroidal	《Metallographic test for spheroidal graphite cast iron》 GB/T 9441-2021	Except for Clause	2023-06-19

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			graphite cast iron		4:calculation of spheroidization rate	
		10	Metallographic test for gray cast iron	《Metallographic test for gray cast iron》 GB/T 7216-2009		2022-06-28
		11	Depth of decarburization of steels	《Determination of depth of decarburization of steels》 GB/T 224-2019	Accredited only for metallographic method and microhardness method	2022-06-28
		12	Steel parts nitrogen penetrating laminar depth mesurement and metal phase test	《Steel parts nitrogen penetrating laminar depth mesurement and metal phase test》 GB/T 11354-2005		2022-06-28
		13	Metallographic of carburizing quenching and tempering of steel parts	《Metallographic examination for carburizing quenching and tempering of steel parts》 GB/T 25744-2010		2022-06-28
		14	Effective density	《Standard Test Method for Metal Powder Skeletal Density by Helium or Nitrogen Pycnometry》 ASTM B923-2016		2022-06-28
4	Metallic pipe	1	Drift-expending test	《Metallic materials-tube-Drift-expending test》 GB/T 242-2007		2022-06-28
5	Metallic pipe	1	Flattening test	《Metallic materials-tube-Flattening test》 GB/T 246-2017		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
6	Steel products	1	yield strength	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.2	Accredited only for tension less than 1000kN	2022-06-28
		2	tensile strength	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.3	Accredited only for tension less than 1000kN	2022-06-28
		3	Elongation rate	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.4	Accredited only for tension less than 1000kN	2022-06-28
		4	Section shrinkage	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 14.5	Accredited only for tension less than 1000kN	2022-06-28
		5	Bend test	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 15		2022-06-28
		6	impact test	《Standard Test Methods and Definitions for Mechanical Testing of Steel Products》 ASTM A370-2021 20		2022-06-28
7	Welded joints and welded sample	1	Tensile test on welded joints	《Tensile test method on welded joints》 GB/T 2651-2008		2022-06-28
		2	Tensile test on weld and deposited metal	《Destructive tests on welds in metallic materials—Longitudinal tensile test on weld metal in fusion welded joints》 GB/T 2652-2022		2023-06-19

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	Impact test	《Destructive tests on welds in metallic materials—Impact tests》 GB/T 2650-2022		2023-06-19
		4	Vickers hardness	《Hardness test methods on welded joints》 GB/T 2654-2008		2022-06-28
		5	Bend test	《Bend test methods on welded joints》 GB/T 2653-2008		2022-06-28
8	Iron & Steel	1	Effective Steel work hardening depth	《Measurement and review of Effective Steel work hardening depth》 GB/T 9450-2005		2022-06-28
		2	Steel work induction quench metal phase test	《Steel work induction quench metal phase test》 JB/T 9204-2008		2022-06-28
		3	Effective Steel work hardening depth after induction quench or fire quench	《Effective Steel work hardening depth after induction quench or fire quench》 GB/T 5617-2005		2022-06-28
		4	Intergranular corrosion	《Corrosion of metals and alloys—Test methods for intergranular corrosion of austenitic and ferritic-austenitic（duplex）stainless steels》 GB/T4334-2020	Except only for method A	2022-06-28
9	Steel for the reinforcement of concrete- Part 1:Hot rolled plain bars	1	size	《Steel for the reinforcement of concrete- Part 1:Hot rolled plain bars》 GB/T 1499.1-2017		2022-06-28
		2	weight	《Steel for the reinforcement of concrete- Part 1:Hot rolled plain bars》 GB/T 1499.1-2017		2022-06-28
10	Steel for the reinforcement of concrete- Part 2: Hot rolled ribbed	1	size	《Steel for the reinforcement of concrete- Part 2: Hot rolled ribbed bars》 GB/T 1499.2-2018	change	2022-06-28
		2	weight	《Steel for the reinforcement of concrete- Part 2: Hot rolled ribbed bars》 GB/T 1499.2-2018	change	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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	bars					
11	High strength link for steel structures	1	Connected torque coefficient	《Specifications of high strength bolts with large hexagon head, large hexagon nuts, plain washers for steel s structures》 GB/T 1231-2006 4.4		2022-06-28
12	Nuts	1	Guaranteed load	《Mechanical properties of fasteners--Nuts 》 GB/T 3098.2-2015 8.1	only for tension less than 1000KN	2022-06-28
13	bolts and screws	1	torque coefficient	《Mechanical properties of fasteners--Torsional test and minimum torques for bolts and screws with nominal diameters 1mm to 10mm》 GB/T 3098.13-1996 3.4		2022-06-28
14	Bolts,screws and studs made of stainless-steel	1	tensile strength	《Mechanical properties of fasteners-Bolts,screws and studs made of stainless-steel》 GB/T 3098.6-2014 7.2.2		2022-06-28
		2	Specified non proportional elongation stress	《Mechanical properties of fasteners-Bolts,screws and studs made of stainless-steel》 GB/T 3098.6-2014 7.2.3		2022-06-28
		3	Percentage elongation	《Mechanical properties of fasteners-Bolts,screws and studs made of stainless-steel》 GB/T 3098.6-2014 7.2.4		2022-06-28
		4	Failure torque	《Mechanical properties of fasteners-Bolts,screws and studs made of stainless-steel》 GB/T 3098.6-2014 7.2.5		2022-06-28
		5	Wedge load	《Mechanical properties of fasteners-Bolts,screws and studs made of stainless-steel》 GB/T 3098.6-2014 7.2.6		2022-06-28
15	fasteners	1	Shear and tensile test	《Mechanical properties of fasteners--Blind rivets testing》 GB/T 3098.18-2004 3		2022-06-28
		2	Head holding capacity test	《Mechanical properties of fasteners--Blind rivets testing》 GB/T 3098.18-2004 4		2022-06-28
		3	Core disassembly force test	《Mechanical properties of fasteners--Blind rivets testing》		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				GB/T 3098.18-2004 5		
		4	Core fracture load test	《Mechanical properties of fasteners--Blind rivets testing》 GB/T 3098.18-2004 6		2022-06-28
16	Titanium	1	Carbon content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2022-06-28
		2	Aluminium content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2022-06-28
		3	vanadium content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2022-06-28
		4	Iron content	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 9.1		2022-06-28
		5	tensile strength	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2022-06-28
		6	Proof strength	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2022-06-28
		7	Elongation	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2022-06-28
		8	rate of reduction in area	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14 11.4		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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17	Titanium and Titanium Alloys	1	Carbon	《Methods for chemical analysis of titanium spongeGB/T 4698.14-2011》 GB/T 4698.14-2011 6		2022-06-28
		2	Iron	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys.Determination of iron content 》 GB/T 4698.2-2011	Accredited only for method two	2022-06-28
		3	Determination of oxygen content	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys.Determination of oxygen and nitrogen content》 GB/T 4698.7-2011 4、5	Accredited only for method 1 and method 2	2022-06-28
		4	Determination of nitrogen content	《Methods for chemical analysis of titanium sponge, titanium and titanium alloys.Determination of oxygen and nitrogen content》 GB/T 4698.7-2011 4、5	Accredited only for method 1 and method 2	2022-06-28
18	Iron,steel and alloy	1	Carbon content	《Steel and iron— Determination of total carbon content - Infrared absorption method after combustion in an induction furnace》 ISO 9556：1989（E） 7		2022-06-28
		2	Phosphorus content	《Methods for chemical analysis of iron, Steel and alloy The diantipyryl methane phosphomolybdate gravimetric method for the determination of phosphorus content》 GB/T 223.3-1988 7		2022-06-28
		3	Manganese content	《Alloyed steel - Determination of manganese content - Potentiometric or visual titration method》 GB/T 223.4-2008 7	Except for potentiometric titration	2022-06-28
		4	acid-soluble silicon and total silicon content	《Steel and iron--Determination of acid-soluble silicon and total silicon content--Reduced molybdosilicate spectrophotometric method》 GB/T 223.5-2008 7		2022-06-28
		5	boron content	《 Methods for chemical analysis of iron,steel and alloy The neutralization titrimetric method for the determination of boron		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				content》 GB/T 223.6-1994 7		
		6	Iron content	《Iron power—Determination of iron content—Potassium dichromate titration method》 GB/T 223.7-2002 7		2022-06-28
		7	Aluminium content	《Iron,steel and alloy-Determination of aluminium content-Chrome azurol S photometric method》 GB/T 223.9-2008 7		2022-06-28
		8	Chromium content	《Iron,steel and alloy-Determination of chromium content-Visual titration or potentiometric titration method》 GB/T 223.11-2008 7	Except for potentiometric titration	2022-06-28
				《Methods for chemical analysis of iron,steel and alloy The sodium carbonate separation-diphenyl carbazide photometric method for the determination of chromium content》 GB/T 223.12-1991 7		2022-06-28
		9	vanadium content	《 Methods for chemical analysis of iron,steel and alloy The ammonium ferrous sulfate tirration method for the determination of vanadium content》 GB/T 223.13-2000 7		2022-06-28
				《 Methods for chemical analysis of iron,steel and alloy The N-benzoy-N-phenyldydroxylamine extraction photometric method for the determination of vanadium content》 GB/T 223.14-2000 7		2022-06-28
		10	Titanium content	《Methods for chemical analysis of iron,steel and alloy The diantipyrylmethane photometic method for the determination of titanium content》 GB/T 223.17-1989 7		2022-06-28
		11	cupper content	《Methods for chemical analysis of iron The sodium thiosulfate saparation iodimetric method for determination of cupper content》 GB/T 223.18-1994 7		2022-06-28
				《Methods for chemical analysis of iron,steel and alloy The neocuproine-chloroform extraction potometric metod for the		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				determination of copper content》 GB/T 223.19-1989 7		
		12	Nickel content	《Iron,steel and alloy-Determination of nickel content-The dimethylglyoxime spectrophotometric method》 GB/T 223.23-2008 7		2022-06-28
				《Methods for chemical analysis of iron,steel and alloy The dimethylglyoxime gravimetric method for the determination of nickel content》 GB/T 223.25-1994 7		2022-06-28
		13	Molybdenum content	《Iron,steel and alloy-Determination of molybdenum content-The thiocyanate spectrophotometric method》 GB/T 223.26-2008 7		2022-06-28
				《Methods for chemical analysis of iron,steel and alloy The α-benzoinoxime gravimetric method for the determination of molybdenum content》 GB/T 223.28-1989 7		2022-06-28
		14	arsenic content	《Methods for chemical analysis of iron,steel and alloy The hypophosphite reduction-iodimetric method for the determination of arsenic content》 GB/T 223.32-1994 7		2022-06-28
		15	hydrochloric acid-insoluble	《Methods for chemical analysis of iron,steel and alloy-The determination of hydrochloric acid-insoluble content of iorn powders》 GB/T 223.34-2000 7		2022-06-28
		16	niobium content	《 Iron,steel and alloy-Determination of niubium content by the sulphochorophenol S spectreophotometric method》 GB/T 223.40-2007 7		2022-06-28
		17	tungsten content	《 Iron,steel and alloy-Determination of tungsten content-Gravimetric method and spectrophotometric method》 GB/T 223.43-2008 7		2022-06-28
		18	Magnesium content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrometric method for the		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				determination of magnesium content》 GB/T 223.46-1989 7		
		19	Tin content	《Methods for chemical analysis of iron,steel and alloy The phenylfluorone-CTMAB direct photometric method for the determinantion of tin content》 GB/T 223.50-1994 7		2022-06-28
		20	Copper content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrophotometric method for the determinantion of copper content》 GB/T 223.53-1987 7		2022-06-28
		21	Nickel content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrophotometric method for the determinantion of nickel content》 GB/T 223.54-2022 7		2023-06-19
		22	phosphorus content	《Iron,steel and alloy-Determination of phosphorus content-Bismuth phosphomolybdate blue spectrophotometric method and antimony phosphomolybdate blue spectrophotometric method》 GB/T 223.59-2008 7		2022-06-28
		23	silicon content	《 Methods for chemical analysis of iron,steel and alloy-The perchloric acid dehydration gravimetric method for the determination of silicon content》 GB/T 223.60-1997 7		2022-06-28
		24	Phosphorus content	《Methods for chemical analysis of iron,steel and alloy The butyl acetate extraction photometric method for the determination of phosphorus content》 GB/T 223.62-1988 7		2022-06-28
		25	Molybdenum content	《Methods for chemical analysis of iron,steel and alloy The sodium(potassium) periodate photometric method for the determination of manganese content》 GB/T 223.63-2022 7		2023-06-19
		26	Manganese content	《Iron,steel and alloy-Determination of manganese content-Flame atomic absorption absorption spectrometric method》 GB/T 223.64-2008 7		2022-06-28
		27	Cobalt content	《Steel, iron and alloy.Determination of cobalt content.Flame		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				atomic absorption spectrometric method》 GB/T 223.65-2012 7		
		28	Iron content	《Iron,steel and alloy-Determination of iron contents-o-Phenanthroline spectrophotometric method》 GB/T 223.70-2008 7		2022-06-28
		29	Iron content	《Iron,steel and alloy-Determination of iron contents-Titanium trichloride-potassium dichromate titration method》 GB/T 223.73-2008 7		2022-06-28
		30	Calcium content	《Methods for chemical analysis of iron,steel and alloy The flame atomic absorption spectrometric method for the determination of calcium content》 GB/T 223.77-1994 7		2022-06-28
		31	high sulfur content	《Steel and iron-Determination of high sulfur content-Infrared absorption method after combustion in an induction furnace》 GB/T 223.83-2009 7		2022-06-28
		32	titanium content	《Steel and iron-Determination of titanium content-Diantipyrylmethane spectrophotometric method》 GB/T 223.84-2009 7		2022-06-28
		33	total carbon content	《Steel and iron-Determination of total carbon content-Infrared absorption method after combustion in an induction furnace》 GB/T 223.86-2009 7		2022-06-28
		34	Hydren	《Steel and iron-Determination of hydrogen content-Inert gas impulse fusion heat conductivity method》 GB/T 223.82-2018 8		2022-06-28
		35	Molybdenum	《Flame atomic steel and alloy molybdenum content absorption spectrophotometry》 Q/WXT001-2014 7		2022-06-28
19	Ferrochromium and ferrosilicochromium	1	chromium	《Ferrochromium and ferrosilicochromium-Determination of chromium content-The ammonium persulfate oxidation titrmetric method and potentiometric titration method》 GB/T 4699.2-2008 7	Except for potentiometric titration	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
20	Low-alloy steel	1	nickel	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		2	Phosphorus	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		3	chrome	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		4	molybdenum	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		5	copper	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		6	vanadium	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		7	cobalt	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		8	titanium	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		9	aluminum	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28

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		№	Item/ Parameter			
		10	manganese	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
		11	silicon	《Low-alloy steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 GB/T 20125-2006 7		2022-06-28
21	Low-alloy steel	1	silicon	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		2	manganese	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		3	Phosphorus	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		4	sulfur	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		5	chromium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		6	Nickel	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		7	Molybdenum	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Copper	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		9	niobium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		10	Vanadium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		11	Titanaum	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		12	tungsten	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
		13	Aluminium	《Iron and steel-Determination of multi-element contents--X-ray fluorescence spectrometry(Routine method)》 GB/T 223.79-2007 5		2022-06-28
22	Stainless steel	1	Carbon	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		2	silicon	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		3	manganese	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	phosphorus	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		5	sulfur	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		6	chromium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		7	nickel	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		8	Molybdenum	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		9	aluminum	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		10	Copper	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		11	tungsten	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		12	Titanium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	niobium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		14	Vanadium	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		15	cobalt	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		16	boron	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		17	arsenic	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		18	Tin	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		19	lead	《Stainless steel-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 11170-2008 8		2022-06-28
		20	phosphorus	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		21	copper	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		22	molybdenum	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		23	titanium	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		24	vanadium	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		25	cobalt	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		26	aluminum	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		27	manganese	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		28	nickel	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
		29	silicon	《Stainless steel.Determination of multi-element contents.Inductively coupled plasma atomic emission spectrometric method》 YB/T 4396-2014 7		2022-06-28
23	aluminium and aluminium alloys	1	mercury content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 1:Determination of mercury content GB/T 20975.1-2018 6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Copper content	《Methods for chemical analysis of aluminium and aluminium alloys - Part 3:Determination of copper content》 GB/T 20975.3-2020 6,15,24,32		2022-06-28
		3	Iron content	《Methods for chemical analysis of aluminium and aluminium alloys - Part 4：Determination of iron content - Orthopenanthroline photometric method》 GB/T 20975.4-2020 6		2022-06-28
		4	Silicon content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 5:Determination of silicon content》 GB/T 20975.5-2020 6		2022-06-28
		5	Cadmium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 6:Determination of cadmium content-Flame atomic absorption spectrometric method 》 GB/T 20975.6-2020 6		2022-06-28
		6	Manganese content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 7:Determination of manganese content-Potassium periodate spectrophotometric method》 GB/T 20975.7-2020 6		2022-06-28
		7	Zinc content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 8:Determination fo zinc content 》 GB/T 20975.8-2020 6		2022-06-28
		8	Lithium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 9:Determination of lithium content-Flame atomic absorption spectrometric method》 GB/T 20975.9-2020 6		2022-06-28
		9	Tin content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 10:Determination of tin content》 GB/T 20975.10-2020 6		2022-06-28
		10	Lead content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 11:Determination of lead content》 GB/T 20975.11-2018 6		2022-06-28

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		№	Item/ Parameter			
		11	Titanium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 12:Determination of titanium content》 GB/T 20975.12-2020 6		2022-06-28
		12	Vanadium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 13:Determination of vanadium content-N-benzoyl-Nphenylhydroxylamine spectrophotometric method》 GB/T 20975.13-2020 6		2022-06-28
		13	Nickel content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 14:Determination of nickel content》 GB/T 20975.14-2020 6,15		2022-06-28
		14	Boron content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 15:Determination of boron content》 GB/T 20975.15-2020 6	Except for method 1	2022-06-28
		15	Magnesium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 16:Determination of magnesium》 GB/T 20975.16-2020 6		2022-06-28
		16	Strontium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 17：Determination of strontium content-Flame atomic absorption spectrometric method》 GB/T 20975.17-2020 6		2022-06-28
		17	Chromium content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 18:Determination of chromium content》 GB/T 20975.18-2020 6		2022-06-28
		18	Zirconium content	《Methods for chemical analysis of aluminium and aluminium alloys—Part 19:Determination of zirconium content》 GB/T 20975.19-2020 6		2022-06-28
		19	Gallium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 20:Determination of gallium content-Butyrhodamine		2022-06-28

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		№	Item/ Parameter			
				B spectrophotometric method》 GB/T 20975.20-2020 6		
		20	Calcium content	《Methods for chemical analysis of aluminium and aluminium alloys-Part 21:Determination of calcium content-Flame atomic absorption spectrometric method》 GB/T 20975.21-2020 6		2022-06-28
		21	Antimony content	《Methods for chemical analysis of aluminium and aluminium alloys - Part 23：Determination of antimony content Potassium iodide spectrophotometric method》 GB/T 20975.23-2020 6		2022-06-28
24	Aluminum and Aluminum alloys	1	iron	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		2	magnesium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		3	manganese	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		4	gallium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		5	titanium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		6	vanadium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		7	silicon	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				spectromertric method》 GB/T 20975.25-2020 6		
		8	tin	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		9	bismuth	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		10	calcium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		11	chromium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		12	zinc	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		13	nickel	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		14	cadmium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		15	zirconium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		16	beryllium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				spectromertric method》 GB/T 20975.25-2020 6		
		17	lead	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		18	boron	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		19	indium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		20	strontium	《Methods for chemical analysis of aluminum and aluminum alloys.Part 25:The inductively coupled plasma atomic emission spectromertric method》 GB/T 20975.25-2020 6		2022-06-28
		21	antimony	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 6		2022-06-28
25	Zinc and zinc alloys	1	Aluminum content	《Methods for chemical analysis of zinc and zinc alloys-Part1：Determination of aluminum content-Chromazurol S-polyethylene glycol octyl phenylether-cetylpyridine bromine spectrophotometryGB/T 12689.1-2010》 GB/T 12689.1-2010 1.5,2.5,3.4		2022-06-28
		2	Arsenic content	《The methods for chemical analysis of zinc and zinc alloys-The determination of arsenic content-the atomic fluorescence spectrometer method》 GB/T 12689.2-2004 1.5,2.5,3.4		2022-06-28
		3	Cadmium content	《The methods for chemical analysis of zinc and zinc alloys-The determination of cadmium content-The flame atomic absorption spectrometric method》 GB/T 12689.3-2004 6		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

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		№	Item/ Parameter			
		4	Copper content	《The methods for chemical analysis of zinc and zinc alloys-The determination of copper content-The lead diethyldithio-carbamate spectrophotometric method and the flame atomic absorption spectrometric method and electrolytic method》 GB/T 12689.4-2004 1.5,2.5,3.4		2022-06-28
		5	Iron content	《The methods for chemical analysis of zinc and zinc alloys-The determination of iron content-The sultosalicylic acid spectrometric method and the flame atomic absorption spectrometric method》 GB/T 12689.5-2004 6		2022-06-28
		6	Magnesium content	《The methods for chemical analysis of zinc and zinc alloys-Part7:Determination of magnesium content -Flame atomic absorption spectrometric method》 GB/T 12689.7-2010 6		2022-06-28
		7	Silicon content	《The methods for chemical analysis of zinc and zinc alloys-The determination of silicon content—The molybdenum blue spectrophotometric method》 GB/T 12689.8-2004 6		2022-06-28
		8	Antimony content	《The methods for chemical analysis of zinc and alloys-The determination of antimony content—The atomic fluorescence spectrometer and the flame atomic absorption spectrometric method》 GB/T 12689. 9-2004 1.5,2.5		2022-06-28
		9	Tin content	《 The methods for chemical analysis of zinc and alloys-The determination of tin content-The phenylfluorone -cetyltimethyla-mmonium bromide pectrophotometric method》 GB/T 12689.10-2004 6		2022-06-28
26	Lead and lead alloys	1	Aluminium content	《Methods for chemical analysis of lead and lead alloys-Part13:Determination of aluminium content》 GB/T 4103.13-2012 4.6		2022-06-28
27	Cast iron	1	Carbon	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				method)》 GB/T 24234-2009 8		
		2	silicon	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		3	manganese	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		4	phosphorus	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		5	sulfur	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		6	chromium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		7	nickel	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		8	Molybdenum	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		9	aluminum	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		10	Copper	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				method)》 GB/T 24234-2009 8		
		11	tungsten	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		12	Titanium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		13	niobium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		14	Vanadium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		15	boron	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		16	arsenic	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		17	tin	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		18	magnesium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		19	Lanthanum	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				method)》 GB/T 24234-2009 8		
		20	Cerium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		21	Antimony	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		22	zinc	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
		23	Zirconium	《Cast iron-Determination of multi-element contents-Spark discharge atomic emission spectrometric method(Routine method)》 GB/T 24234-2009 8		2022-06-28
28	blister copper	1	Determination of copper content	《Methods for chemical analysis of blister copper.Part 1:Determination of copper content.Iodimetry》 YS/T 521.1-2009 5		2022-06-28
29	Anchor channel for overhead contact system in electrification railway	1	Appearance	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.1		2022-06-28
		2	size	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.1		2022-06-28
		3	Channel bearing capacity	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.5		2022-06-28
		4	Static load capacity of T bolt	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.6		2022-06-28
		5	Test on allowable sliding load of single bolt along the	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.8		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			groove			
		6	Static bearing capacity and displacement test of precast concrete block	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013 6.10		2022-06-28
30	Nickel alloy	1	manganese	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 16		2022-06-28
		2	silicon	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 50		2022-06-28
		3	phosphorus	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 28		2022-06-28
		4	chromium	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 181		2022-06-28
		5	cobalt	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 58		2022-06-28
		6	Copper	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 97		2022-06-28
		7	nickel	《Standard Test Methods for Chemical Analysis of High-Temperature, Electrical, Magnetic, and Other Similar Iron, Nickel, and Cobalt Alloys》 ASTM E354-14 140		2022-06-28

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		№	Item/ Parameter			
		8	Carbon	《Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Fusion Techniques》 ASTM E1019-18 18		2022-06-28
		9	sulfur	《Standard Test Methods for Determination of Carbon, Sulfur, Nitrogen, and Oxygen in Steel, Iron, Nickel, and Cobalt Alloys by Various Combustion and Inert Gas Fusion Techniques》 ASTM E1019-18 29		2022-06-28
		10	Microstructure	《Standard Practice for Microetching Metals and Alloys》 ASTM E407-2007(2015)e1 7		2022-06-28
		11	tensile strength	《Standard Test Methods for Tension Testing of Metallic Materials》 ASTM E8/E8M-21 7	Accredited only for tension less than 1000KN, Method B	2022-06-28
		12	Specified plastic elongation strength	《Standard Test Methods for Tension Testing of Metallic Materials》 ASTM E8/E8M-21 7	Accredited only for tension less than 1000KN, Method B	2022-06-28
		13	elongation	《Standard Test Methods for Tension Testing of Metallic Materials》 ASTM E8/E8M-21 7		2022-06-28
		14	Dimensions and permissible variations	《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N07718)with Powder Bed Fusion》 ASTM F3055-2014a 14		2022-06-28
				《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion》 ASTM F3056-		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				2014e1 14		
		15	product marking and packaging	《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N07718)with Powder Bed Fusion》 ASTM F3055-2014a 19		2022-06-28
				《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion》 ASTM F3056-2014e1 19		2022-06-28
31	Food contact materials and products	1	Arsenic	《Food safety national standard Determination of arsenic, cadmium, chromium, lead and determination of arsenic, cadmium, chromium, nickel, lead, antimony and zinc in food contact materials and products》 GB 31604.49-2016 19	Accredited only for method two in part two	2022-06-28
		2	Cadmium	《Food safety national standard Determination of arsenic, cadmium, chromium, lead and determination of arsenic, cadmium, chromium, nickel, lead, antimony and zinc in food contact materials and products》 GB 31604.49-2016 19	Accredited only for method two in part two	2022-06-28
		3	Chromium	《Food safety national standard Determination of arsenic, cadmium, chromium, lead and determination of arsenic, cadmium, chromium, nickel, lead, antimony and zinc in food contact materials and products》 GB 31604.49-2016 19	Accredited only for method two in part two	2022-06-28
		4	Lead	《Food safety national standard Determination of arsenic, cadmium, chromium, lead and determination of arsenic, cadmium, chromium, nickel, lead, antimony and zinc in food contact materials and products》 GB 31604.49-2016 19	Accredited only for method two in part two	2022-06-28
		5	Nickel	《Food safety national standard Determination of arsenic, cadmium, chromium, lead and determination of arsenic, cadmium, chromium, nickel, lead, antimony and zinc in food contact materials and products》 GB 31604.49-2016 19	Accredited only for method two in part two	2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		6	Antimony	《Food safety national standard Determination of arsenic, cadmium, chromium, lead and determination of arsenic, cadmium, chromium, nickel, lead, antimony and zinc in food contact materials and products》 GB 31604.49-2016 19	Accredited only for method two in part two	2022-06-28
		7	Zinc	《Food safety national standard Determination of arsenic, cadmium, chromium, lead and determination of arsenic, cadmium, chromium, nickel, lead, antimony and zinc in food contact materials and products》 GB 31604.49-2016 19	Accredited only for method two in part two	2022-06-28
32	High polymer materials and parts	1	Apparent density	《Plastics.Determination of apparent density material that can be poured from a specified funnel》 GB/T 1636-2008		2022-06-28
				《Plastics-PVC resins.Determination of compacted apparent bulk density》 GB/T 23652-2009		2022-06-28
		2	Fluidity	《Plastics.Determination of pourability》 GB/T 21060-2007		2022-06-28
		3	Angle of repose	《Surface active agents--Powders and granules--Mesurement of the angle of repose》 GB/T 11986-1989		2022-06-28
		4	Hardness	《Plastics.Determination of hardness.Part 1:Ball indentation method》 GB/T 3398.1-2008		2022-06-28
		5	Compression performance	《Plastics.Determination of compressive properties》 GB/T 1041-2008		2022-06-28
		6	Shear strength	《Rigid cellular plastics.Determination of shear strength》 GB/T 10007-2008		2022-06-28
				《Fibre-reinforced plastic composites-Determination of interlaminar shear strength》 GB/T 1450.1-2005		2022-06-28
		7	Deflection temperature under load	《Plastics-Determination of temperature of deflection under load-Part 1：General test method》《Plastics-Determination of temperature of deflection under load-Part 2:Plastics,ebonite and long-fibre-reinforced composites》 GB/T 1634.1-2019GB/T		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				1634.2-2019		
				《Plastics-Determination of temperature of deflection under load-Part 3:High-strength thermosetting laminates》 GB/T 1634.3-2004 8		2022-06-28
		8	Viscosity	《Test methods for unsaturated polyester resins》 GB/T 7193-2008 4.1	Accredited only for viscosity	2022-06-28
		9	Nonvolatile matter	《Paints,varnishes and plastics.Determination of non-volatile-matter content》 GB/T 1725-2007 6		2022-06-28
		10	Determination of surface tension	《Surface active agents.Determination of surface tension》 GB/T 22237-2008 7		2022-06-28
		11	Determining the Izod Pendulum Impact Resistance	《Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics》 ASTM D256-2010 10,16,22,29		2022-06-28
		12	Determination of indentation hardness by means of a durometer(shore hardness)	《Standard Test Method for Rubber Property-Durometer Hardness》 ASTM D2240-2015e1 9	Accredited only for hardness A and D	2022-06-28
		13	tensile strength	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2022-06-28
		14	Percentage elongation	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2022-06-28
		15	Modulus of elasticity	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2022-06-28
		16	Secant modulus	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2022-06-28

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		17	Poisson ratio	《Standard Test Method for Tensile Properties of Plastics》 ASTM D638-2014 10		2022-06-28
33	plastic wire	1	Appearance	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.1.1		2022-06-28
		2	size	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.1.2.2		2022-06-28
		3	Melt and swell ratio	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.6.3		2022-06-28
		4	Contractility performance	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016 4.7.3		2022-06-28
		5	volatile matter(including water)	《Plastics. Homopolymer and copolymer resins of vinyl chloride. Determination of volatile matter(including water)》 GB/T 2914-2008 4		2022-06-28
34	ceramics materials and parts	1	hardness	《Fine ceramics(advanced ceramics,advanced technical ceramics).Test method for hardness of monolithic ceramics at room temperature》 GB/T 16534-2009 4.6,5.6		2022-06-28
		2	Tensile Strength	《Fine ceramics(advanced ceramics,advanced technical ceramics).Test method for tensile strength of monolithic ceramics at room temperature》 GB/T 23805-2009 7		2022-06-28
		3	Compressive strength	《Test method for compressive strength of fine ceramics (advanced ceramics,advanced technical ceramics)》 GB/T 8489-2006 6		2022-06-28
		4	Bending strength	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for flexural strength of monolithic		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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				ceramics at room temperature》 GB/T 6569-2006 7		
		5	Tap density	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of bulk density of ceramic powders - Part 1: Tap density》 ISO 23145-1-2007 6		2022-06-28
		6	Untapped density	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of bulk density of ceramic powders - Part 2: Untapped density》 ISO 23145-2-2012 6		2022-06-28
35	ceramics materials and parts	1	absolute density	《Fine ceramics (advanced ceramics, advanced technical ceramics) - Determination of absolute density of ceramic powders by pyknometer》 ISO 18753-2017 6		2022-06-28
36	biomedical materials	1	Impurity element （Ti、Ca、Al	《Implants for surgery-Ultra-high molecular weight polyethylene part 1:Powder form》 GB/T 19701.1-2016 8.4		2022-06-28
		2	particle matter	《Implants for surgery-Ultra-high molecular weight polyethylene part 1:Powder form》 GB/T 19701.1-2016 8.5		2022-06-28
37	Non-metallic materials and parts	1	Arsenic	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2022-06-28
		2	Chromium	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2022-06-28
		3	Cadmium	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2022-06-28
		4	Nickel	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2022-06-28
		5	Lead	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2022-06-28
		6	Antimony	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Zinc	《Chemical reagent-General rules for inductively coupled plasma atomic emission spectrometry》 GB/T 23942-2009 7		2022-06-28
		8	partial acid value	《Plastic-Polyester resin-Determination of partial acid value and total acid value》 GB/T 2895-2008 7		2022-06-28
		9	total acid value	《Plastic-Polyester resin-Determination of partial acid value and total acid value》 GB/T 2895-2008 7		2022-06-28
38	Stainless steel for surgical implants		All parameters	《Stainless steel for surgical implants》 GB 4234-2003		2022-06-28
39	Titanium	1	Carbon	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2022-06-28
		2	Oxygen	《Standard Test Method for Detemination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E 1409-08 13		2022-06-28
		3	Nitrogen	《Standard Test Method for Detemination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E1409-08 13		2022-06-28
		4	Hydrogen	《Standard Test Method for Detemination of Hydrogen in Titanium and Titanium Alloys by Inert Gas Fusion Thermal Conduetivity/Infrared Detection Method》 ASTM E1447-09 12		2022-06-28
		5	Aluminium	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2022-06-28
		6	vanadium	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2022-06-28
		7	Iron	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.1		2022-06-28
		8	tensile strength	《Titanium Alloy Laser Deposited Products 6Al - 4V		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		
		9	Proof strength	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		2022-06-28
		10	Elongation	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		2022-06-28
		11	rate of reduction in area	《Titanium Alloy Laser Deposited Products 6Al - 4V Annealed》 AMS 4999A-2011(Q/320WXZJ049-2015) 3.6.1		2022-06-28
40	Titanium		Partial parameters	《Standard Specification for Additive Manufacturing Titanium-6 Aluminum-4 Vanadium with Powder Bed Fusion》 ASTM F2924-14	Accredited only for C、O、N、H、Al、V、Fe、tensile strength, specified plastic stretching strength, elongation rate, cross sectional shrinkage	2022-06-28
41	plastic wire		All parameters	《General test method for plastic wire used in fused deposition modeling(FDM)additive manufacturing processes》 Q/CAMT002-2016		2022-06-28
42	Cast cobalt chromium molybdenum		All parameters	《Casting co-cr-mo alloy for surgical implants GB 4234.4-2019		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	alloys for surgical implants					
43	Buried channel in tunnel of electrified railway contact net		Partial parameters	《Anchor channel for overhead contact system in electrification railway》 TB/T 3329-2013	Accredited only for appearance, size, bearing capacity, T bolt static bearing capacity, the axial sliding load test, static bearing capacity and displacement test of the precast concrete block	2022-06-28
44	Nickel alloy （UNS N07718）		Partial parameters	《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N07718)with Powder Bed Fusion》 ASTM F3055-2014a	Accredited only for Mn, Si, P, Cr, Co, Cu, Ni, C, S, microstructure, tensile strength,	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					specified plastic elongation strength, elongation, dimensions and permissible variations, product marking and packaging	
45	Nickel alloy（UNS N06625）			《Standard Specification for Additive Manufacturing Nickel Alloy (UNS N06625) with Powder Bed Fusion》 ASTM F3056-2014e1	Accredited only for Mn, Si, P, Cr, Co, C, S, microstructure, tensile strength, specified plastic elongation strength, elongation, dimensions and permissible variations, product	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					marking and packaging	
46	Metallic materials and parts	1	Brinell hardness	《 Metallic materials.Brinell hardness test.Part 1:Test method》 GB/T 231.1-2018 7		2022-06-28
		2	Rockwell hardness	《Metallic materials.Rockwell hardness test.Part 1:Test method》 GB/T 230.1-2018 7	Accredited only for HRA、HRB、HRC	2022-06-28
		3	macrostructure	《Inspection method for structure of wrought aluminum and aluminum alloy products - Part 2: Inspection method for macrostructure》 GB/T 3246.2-2012 4,5		2022-06-28
		4	macrostructure	《Test method for superal loys - Part 1: Verification of longitudinal macro-structures and defect by etch》 GB/T 14999.1-2012 5	Accredited only for intercept method and comparison method	2022-06-28
		5	macrostructure	《Metallograph of cast aluminium alloys - Part 3: Cast aluminium alloys Pinhole》 JB/T 7946.3-2017 5		2022-06-28
		6	microstructure	《Inspection method for structure of wrought aluminum and aluminum alloy products Part 1 : Inspection method for microstructure》 GB/T 3246.1-2012 6,7	Accredited only for intercept method and comparison method	2022-06-28
		7	Microstructure and macrostructure	《Microstructure and macrostructure examination for α-β titanium alloys》 GB/T 5168-2020 2,3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
47	Hot-rollel steel bars	1	size	《Hot-rollel steel bars-Dimensions,shape,weight and tolerances》 GB/T 702-2017 3		2022-06-28
		2	weight	《Hot-rollel steel bars-Dimensions,shape,weight and tolerances》 GB/T 702-2017 3		2022-06-28
48	Metallic coatings	1	Cross-cut test	《Metallic coatings on metallic substrates-Electrodeposited and chemically deposited coatings-Review of methods available for testing adhesion》 GB/T 5270-2005 2.8		2022-06-28
49	Iron,steel and alloy	1	Hydren	《Steel and iron—Determination of hydrogen content—Thermal conductivity/infrared method after fusion under inert gas》 GB/T 223.82-2018 8	Only with infrared method.	2022-06-28
50	aluminium and aluminium alloys	1	Lead content	《Methods for chemical analysis of aluminium and aluminium alloys--Part 11:Determiantion of lead content--Flame atomic absorption spectrometric method》 GB/T 20975.11-2018 2	Only with method 1.	2022-06-28
		2	mercury content	《Chemical analysis methods of aluminium and aluminium alloys--Part 1:Determination of mercury content--Cold atomic absorption spectrometric method》 GB/T 20975.1-2018 6		2022-06-28
51	Lead and lead alloys	1	Cadmium	《Methods for chemical analysis of lead and lead alloys.Part 14:Determination of cadmium conten. Flame atomic absorption spectrophotometry》 GB/T 4103.14-2009 5		2022-06-28
		2	Nickel	《Methods for chemical analysis of lead and alloys.Part 15:Determination of nickel content.Flame atomic absorption spectrophotometry》 GB/T 4103.15-2009 5		2022-06-28
52	Titanium and Titanium Alloys	1	Cupper	《Methods for chemical analysis of titanium sponge，titanium and titanium alloys--Part 1:Determiantion of cupper content--Flame atomic absorption spectrometry》 GB/T 4698.1-2017 6		2022-06-28
		2	Silicon	《Methods for chemical analysis of titanium sponge，titanium and titanium alloys--Part 3:Determiantion of silicon content--		2022-06-28

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		№	Item/ Parameter			
				Molybdenum blue spectrometry》 GB/T 4698.3-2017 6		
		3	Manganese	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 4:Determiantion of manganese content--Potassiumperiodate spectrophotometry and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.4-2017 6		2022-06-28
		4	Molybdenum	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 5:Determiantion of molybdenum content--Thiocyanate spectrophotometry and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.5-2017 6		2022-06-28
		5	Aluminum	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 8:Determiantion of aluminum content--Seperation with hydroxide-EDTA complex-metric titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.8-2017 6		2022-06-28
		6	Tin	《Methods for chemical analysis of titanium sponge，titanium and titanium alloys--Part 9:Determiantion of tin content--Potassium iodate titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.9-2017 6	Except for potassium iodate titration method.	2022-06-28
		7	Vanadium	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 12:Determiantion of vanadium content--Ammonium ferrous sulfate titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.12-2017 6		2022-06-28
		8	Zirconium	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 13:Determiantion of zirconium content--EDTA complexometric titration and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.13-2017 6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		9	Tin	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 18:Determiantion of tin content--Flame atomic absorption spectrometry》 GB/T 4698.18-2017 6		2022-06-28
		10	Niobium	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 22:Determiantion of niobium content--5-Br-PADAP spectrophotometry and Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.22-2017 6	Except for 5- br-padap spectrophotometry method.	2022-06-28
		11	Neodymium	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 27:Determiantion of neodymium content--Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.27-2017 6		2022-06-28
		12	Ruthenium	《Methods for chemical analysis of titanium sponge， titanium and titanium alloys--Part 28:Determiantion of ruthenium content--Inductively coupled plasma atomic emission spectrometry》 GB/T 4698.28-2017 6		2022-06-28
53	Nickel alloy	1	Iron	《The methods for chemical analysis of nickel. Determination of iron content. Sulfosalicy lic acid spectrophotometric method》 GB/T 8647.1-2006 5		2022-06-28
		2	Phosphorous	《The methods for chemical analysis of nickel. Determination of phosphorous content. Molybdenum blue spectrophotometric method》 GB/T 8647.4-2006 5		2022-06-28
		3	Magnesium	《The methods for chemical analysis of nickel. Determination of magnesium content. Flame atomic absorption spectrometric method》 GB/T 8647.5-2006 5		2022-06-28
		4	Cadmium cobalt copper manganese lead zinc	《The methods for chemical analysis of nickel Determination of cadmium cobalt copper manganese lead and zinc contentsFlame atomic absorption spectrometric method》 GB/T 8647.6-2006		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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				5		
		5	Sulphur	《The methods for chemical analysis of nickel. Determination of sulphur content. Infra-red absorption method after high frequency induction furnace combustion》 GB/T 8647.8-2006 5		2022-06-28
		6	Carbon	《The methods for chemical analysis of nickel. Determination of carbon content. Infra-red absorption method after high frequency induction furnace combustion》 GB/T 8647.9-2006 5		2022-06-28
54	Implants for surgery stainless steel			《Implants for surgery-Metallic materials-Part 1:Wrought stainless steel》 GB 4234.1-2017 6	Except for carbon、silicon、manganese、phousphorus、sulphur、grainsize	2022-06-28
55	Plastics and composite materials	1	Tensile stress	Plastics--Determination of tensile properties--Part 1:General principles GB/T 1040.1-2018		2022-06-28
				《Plastics-Determination of tensile properties- Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2023-06-19
		2	Tensile strain	Plastics--Determination of tensile properties--Part 1:General principles GB/T 1040.1-2018		2022-06-28
				《Plastics-Determination of tensile properties-Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2023-06-19
		3	Tensile modulus	Plastics--Determination of tensile properties--Part 1:General principles GB/T 1040.1-2018		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《Plastics-Determination of tensile properties-Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2023-06-19
		4	Poisson ratio	Plastics--Determination of tensile properties--Part 1:General principles GB/T 1040.1-2018		2022-06-28
				《Plastics-Determination of tensile properties-Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.2-2022		2023-06-19
56	Plastic wire		All parameters	《Additive manufacturing-Plastic filament extrusion》 T/CAMMT 22-2019		2022-06-28
57	Metallicmaterials andparts	1	microstructure and macrostructure	Microstructure and macrostructure examination for titanium and titanium alloys GB/T 5168-2020 6		2022-06-28
		2	Vibration density	Metallic powders-Determination of tap density GB/T 5162-2021 6		2022-06-28
		3	microstructure and macrostructure	Destructive tests on welds in metallic materials -- Macroscopic and microscopic examination of welds ISO 17639-2003 8		2022-06-28
		4	microstructure and macrostructure	Destructive tests on welds in metallic materials - Macroscopic and microscopic examination of welds GB/T 26955-2011 8		2022-06-28
		5	Hydrogen, oxygen, nitrogen, carbon, sulfur	General rule of chemical analysis for hydrogen,oxygen,nitrogen,carbon and sulfur in metallic materials GB/T 14265-2017 5.1		2022-06-28
		6	Apparent Density	Standard Test Method for Apparent Density of Non-Free-Flowing Metal Powders Using the Carney Funnel ASTM B417-2018 8		2022-06-28
		7	Banded structure	Determination of banded structure of steel-Part 1:Micrographic method using standards diagrams GB/T 34474.1-2017 7		2022-06-28
		8	Metellographic structure	Metellographic grading atlas and assessing method for steel die forgings GB/T 13320-2007 6		2022-06-28
58	aluminium	1	copper	Methods for chemical analysis of aluminium and aluminium		2022-06-28

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		№	Item/ Parameter			
	andaluminiumalloys			alloys—Part 3：Determination of copper content GB/T 20975.3-2020 5.1		
		2	iron	Methods for chemical analysis of aluminium and aluminium alloys—Part 4:Determination of iron content GB/T 20975.4-2020 5.1		2022-06-28
		3	silicon	Methods for chemical analysis of aluminium and aluminium alloys—Part 5：Determination of silicon content GB/T 20975.5-2020 5.1		2022-06-28
		4	cadmium	Methods for chemical analysis of aluminium and aluminium alloys-Part 6:Determination of cadmium content GB/T 20975.6-2020 5.1		2022-06-28
		5	manganese	Methods for chemical analysis of aluminium and aluminium alloys—Part 7:Determination of manganese content GB/T 20975.7-2020 5.1		2022-06-28
		6	zinc	Methods for chemical analysis of aluminium and aluminium alloys-Part 8:Determination of zinc content GB/T 20975.8-2020 5.1		2022-06-28
		7	lithium	Methods for chemical analysis of aluminium and aluminium alloys—Part 9:Determination of lithium content—Flame atomic absorption spectrometry GB/T 20975.9-2020 5.1		2022-06-28
		8	tin	Methods for chemical analysis of aluminium and aluminium alloys—Part 10：Determination of tin content GB/T 20975.10-2020 5.1		2022-06-28
		9	lead	Methods for chemical analysis of aluminium and aluminium alloys—Part 11：Determination of lead content GB/T 20975.11-2018 5.1		2022-06-28
		10	titanium	Methods for chemical analysis of aluminium and aluminium alloys—Part 12: Determination of titanium content GB/T 20975.12-2020 5.1		2022-06-28

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		№	Item/ Parameter			
		11	vanadium	Methods for chemical analysis of aluminium and aluminium alloys. Part 13:Determination of vanadium content GB/T 20975.13-2020 5.1		2022-06-28
		12	nickel	Methods for chemical analysis of aluminium and aluminium alloys—Part 14：Determination of nickel content GB/T 20975.14-2020 5.1		2022-06-28
		13	magnesium	Methods for chemical analysis of aluminium and aluminium alloys—Part 16：Determination of magnesium content GB/T 20975.16-2020 5.1		2022-06-28
		14	strontium	Methods for chemical analysis of aluminium and aluminium alloys-Part 17:Determination of strontium content GB/T 20975.17-2020 5.1		2022-06-28
		15	chromium	Methods for chemical analysis of aluminium and aluminium alloys—Part 18:Determination of chromium content GB/T 20975.18-2020 5.1		2022-06-28
		16	zirconium	Methods for chemical analysis of aluminium and aluminium alloys-Part 19:Determination of zirconium content GB/T 20975.19-2020 5.1		2022-06-28
		17	ometric	Methods for chemical analysis of aluminium and aluminium alloys—Part 20：Determination of gallium content—Butyrhodamine B spectrophotometric method GB/T 20975.20-2020 5.1		2022-06-28
		18	calcium	Methods for chemical analysis of aluminium and aluminium alloys-Part 21:Determination of calcium content GB/T 20975.21-2020 5.1		2022-06-28
		19	antimony	Methods for chemical analysis of aluminium and aluminium alloys—Part 23:Determination of antimony content GB/T 20975.23-2020 5.1		2022-06-28
		20	Silicon	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—		2022-06-28

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				Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		
		21	iron	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		22	copper	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		23	gallium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		24	magnesium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		25	manganese	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		26	chromium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		27	nickel	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric		2022-06-28

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				method GB/T 20975.25-2020 5.1		
		28	zinc	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		29	titanium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		30	silver	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		31	Boron	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		32	bismuth	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		33	lithium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		34	lead	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28

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		№	Item/ Parameter			
		35	tin	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		36	vanadium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		37	zirconium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		38	Barium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		39	beryllium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		40	calcium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		41	cadmium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		42	cobalt	Methods for chemical analysis of aluminium and aluminium		2022-06-28

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				alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		
		43	Erbium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		44	Hafnium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		45	indium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		46	potassium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		47	sodium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		48	molybdenum	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		49	neodymium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—		2022-06-28

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		№	Item/ Parameter			
				Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		
		50	phosphorus	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		51	antimony	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		52	scandium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		53	strontium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		54	tungsten	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		55	yttrium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		56	ytterbium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric		2022-06-28

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				method GB/T 20975.25-2020 5.1		
		57	niobium	Methods for chemical analysis of aluminium and aluminium alloys—Part 25：Determination of elements content—Inductively coupled plasma atomic emission spectrometric method GB/T 20975.25-2020 5.1		2022-06-28
		58	total rare earth	Methods for chemical analysis of aluminium and aluminium alloys—Part 24：Determination of total rare earth content GB/T 20975.24-2020 5.1		2022-06-28
		59	carbon	Methods for chemical analysis of aluminium and aluminium alloys - Part 26：Determination of carbon content infrared absorption method GB/T 20975.26-2013 5.1		2022-06-28
		60	cerium	Methods for chemical analysis of aluminium and aluminium alloys—Part 27：Determination of cerium,lanthanum,scandium—Inductively coupled plasma atomic emission spectrometry method GB/T 20975.27-2018 5.1		2022-06-28
		61	Lanthanum	Methods for chemical analysis of aluminium and aluminium alloys—Part 27：Determination of cerium,lanthanum,scandium—Inductively coupled plasma atomic emission spectrometry method GB/T 20975.27-2018 5.1		2022-06-28
		62	scandium	Methods for chemical analysis of aluminium and aluminium alloys—Part 27：Determination of cerium,lanthanum,scandium—Inductively coupled plasma atomic emission spectrometry method GB/T 20975.27-2018 5.1		2022-06-28
		63	cobalt	Methods for chemical analysis of aluminium and aluminium alloys-Part 28:Determination of cobalt content-Flame atomic absorption spectrometry GB/T 20975.28-2019 5.1		2022-06-28
		64	molybdenm	Methods for chemical analysis of aluminium and aluminium alloys-Part 29:Determination of molybdenum content-Thiocyanate spectrophotometry GB/T 20975.29-2019 5.1		2022-06-28

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		65	hydrogen	Methods for chemical analysis of aluminium and aluminium alloys-Part 30:Determination of hydrogen content-Heating extraction-thermal conductivity method GB/T 20975.30-2019 5.1		2022-06-28
		66	phosphorus	Methods for chemical analysis of auminium and aluminium alloys-Part 31:Determination of phosphorus content-Molybdenum blue spectrophotometry GB/T 20975.31-2019 5.1		2022-06-28
		67	bismuth	Methods for chemical analysis of aluminium and aluminium alloys-Part 32:Determination of bismuth content GB/T 20975.32-2020 5.1		2022-06-28
		68	potassium	Methods for chemical analysis of aluminium and aluminium alloys—Part 33：Determination of potassium content—Flame atomic absorption spectrometric method GB/T 20975.33-2020 5.1		2022-06-28
		69	sodium	Methods for chemical analysis of aluminium and aluminium alloys—Part 34：Determination of sodium content—Flame atomic absorption spectrometric method GB/T 20975.34-2020 5.1		2022-06-28
		70	tungsten	Methods for chemical analysis of aluminium and aluminium alloys—Part 35:Determination of tungsten content—Thiocyanate spectrophotometric method GB/T 20975.35-2020 5.1		2022-06-28
		71	silver	Methods for chemical analysis of aluminium and aluminium alloys—Part 36:Determination of silver content—Flame atomic absorption spectrometry GB/T 20975.36-2020 5.1		2022-06-28
		72	niobium	Methods for chemical analysis of aluminium and aluminium alloys-Part 37:Determination of niobium content GB/T 20975.37-2020 5.1		2022-06-28
		73	oxygen	Additive manufacturing, aluminium and aluminium alloy powders and parts, methods for oxygen content analysis Q/CAMT 004-2020 5.1		2022-06-28

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		№	Item/ Parameter			
59	TitaniumAlloys	1	Aluminum	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		2	tin	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		3	zirconium	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		4	Molybdenum	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		5	carbon	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		6	silicon	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		7	vanadium	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		8	cadmium	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		9	nickel	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		10	iron	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28

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		11	copper	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		12	niobium	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		13	tungsten	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		14	oxygen	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		15	cobalt	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		16	hydrogen	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
		17	yttrium	Additive manufacturing, titanium and titanium alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 007-2020 5.1		2022-06-28
60	Nickel alloy	1	carbon	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		2	silicon	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		3	manganese	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28

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		4	phosphorus	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		5	sulfur	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		6	chromium	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		7	copper	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		8	Molybdenum	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		9	cobalt	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		10	aluminum	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		11	iron	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		12	titanium	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		13	Boron	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		14	niobium	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		15	vanadium	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		16	zirconium	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		17	tin	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		18	tantalum	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		19	tungsten	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		20	nitrogen	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		21	magnesium	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		22	lead	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28
		23	Zinc	Nickel-based alloy—Determination of multi-element contents—Spark discharge atomic emission spectrometric method(routine method) GB/T 38939-2020 5.1		2022-06-28

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		№	Item/ Parameter			
61	Cobalt Alloys	1	carbon	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		2	silicon	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		3	manganese	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		4	sulfur	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		5	phosphorus	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		6	chromium	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		7	nickel	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		8	Molybdenum	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		9	iron	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		10	tungsten	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28

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		№	Item/ Parameter			
		11	vanadium	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		12	aluminum	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		13	copper	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		14	niobium	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		15	tin	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		16	tantalum	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		17	titanium	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		18	Boron	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		19	lead	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28
		20	Nitrogen	Additive manufacturing, cobalt and cobalt alloy materials, chemical analysis methods, photoelectric direct reading emission spectrometric method Q/CAMT 003-2020 5.1		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		21	Hydrogen	Methods for chemical analysis of titanium sponge,titanium and titanium alloys - Determination of hydrogen content GB/T 4698.15-2011 5.1		2022-06-28
62	High polymermaterials andparts	1	Polycyclic aromatic hydrocarbon	Thermoplastic elastomer - Determination of polycyclic aromatic hydrocarbons - Gas chromatography-mass spectrometry GB/T 29616-2013 5.1		2022-06-28
63	Iron,steel andalloy	1	Hydrogen	Steel and iron—Determination of hydrogen content—Thermal conductivity/infrared method after fusion under inert gas GB/T 223.82-2018 6		2022-06-28
64	Wrought titanium and titanium dental implant		Partial parameters	Wrought titanium and titanium dental implant YY 0315-2016	Accredited only for the size, appearance, microstructure, roughness and fit clearance shall	2022-06-28
65	Plasma sprayed hydroxyapatite coatged-titanium dental implant		Partial parameters	Plasma sprayed hydroxyapatite coatged-titanium dental implant YY 0304-2009	Accredited only for Appearance, size, microstructure	2022-06-28
66	Titanium and titanium alloy dental implant attachments		Partial parameters	Titanium and titanium alloy dental implant attachments YY/T 0520-2009	Accredited only for Appearance, size, microstruct	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					ure，Roughness	
67	Dentistry — Wires for use in orthodontics		Partial parameters	Dentistry — Wires for use in orthodontics YY/T 0625-2016	Accredited only for Size, harmful elements	2022-06-28
68	steel for reinforcement of concrete		Partial parameters	Test methods of steel for reinforcement of concrete GB/T 28900-2022	Except for Included angle between transverse rib and axis, oblique angle of transverse rib, top width of transverse rib, relative rib area, reverse bending	2023-06-19
69	Metallic materials and parts	1	Element content	《Standard Test Method for Analysis of Carbon and Low-Alloy Steel by Spark Atomic Emission Spectrometry》 ASTM E415-2021 4		2023-06-19
70	Metallic materials	1	Skeleton density	《Determination of density by volumetric displacement:Skeleton density by gas pycnometry》 GB/T 40401-2021 6		2023-06-19

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
71	Metallic powder	1	sphericity ratio	《Measuring method for sphericity ratio of titanium and titanium alloy powders》 YS/T 1297-2019 8.2	Only Use SEM Method	2023-06-19
72	Plastic	1	Element content	《Standard Practice for Acid-Extraction of Elements from Sediments Using Closed Vessel Microwave Heating》 ASTM D5258-2022 11	Only test Al、As、B、Ba、Be、Bi、Cd、Co、Cr、Cu、Fe、Ga、Li、Mg、Mn、Ni、Pb、Sb、Sn、Sr、Ti、TI、V、Zn	2023-06-19
		2	resin content	《Test method for resin content of glass fiber reinforced plastics》 GB/T 2577-2005 7		2023-06-19
		3	moisture content	《Test methods for water absorption of fiber reinforced plastics》 GB/T 1462-2005 6		2023-06-19
8、Additive manufacturing machine						
1	Rapid Prototyping Machine	1	Guard quality	《Rapid prototyping machines.Technical requirements for safeguarding》 GB 26503-2011 5.3.2		2022-06-28
		2	Open impetus	《Rapid prototyping machines.Technical requirements for safeguarding》 GB 26503-2011 5.3.2		2022-06-28
		3	Installation height	《Rapid prototyping machines.Technical requirements for safeguarding》 GB 26503-2011 5.3.2		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		4	Noise	《Metal-cutting machine tools.Measurement method of sound pressure level》 GB/T 16769-2008 6	Only for Noise testing of GB 26503-2011、GB 20775-2006、JB/T 10624-2006、JB/T 10627-2006、JB/T 10626-2006	2022-06-28
		5	insulation resistance	《Mechanical security Mechanical electric equipment Part 1：Common technological condition》 GB/T 5226.1-2019 18.3		2022-06-28
		6	Grounding resistance	《Mechanical security Mechanical electric equipment Part 1：Common technological condition》 GB/T 5226.1-2019 18.2.2		2022-06-28
		7	Pressure	《Mechanical security Mechanical electric equipment Part 1：Common technological condition》 GB/T 5226.1-2019 18.4		2022-06-28
		8	Power supply adaptability test	《Mechanical security Mechanical electric equipment Part 1：Common technological condition》 GB/T 5226.1-2002 4.3.1	Only for power supply adaptability test of JB/T 10624-2006、	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					JB/T 10627-2006、JB/T 10626-2006	
2	Fused deposition rapid prototyping machine	1	Installation Quality Protection	《Fused deposition modeling machines Technical requirements for safeguarding》 GB 20775-2006 5.3.2		2022-06-28
		2	Open impetus	《Fused deposition modeling machines Technical requirements for safeguarding》 GB 20775-2006 5.3.2		2022-06-28
3	Laminated object manufacturing prototyping machines Technical requirements	1	service test	《Laminated object manufacturing prototyping machines Technical requirements》 JB/T 10624-2006 7.1 table 1		2022-06-28
		2	Maximum parts efficiency test	《Laminated object manufacturing prototyping machines Technical requirements》 JB/T 10624-2006 7.2.1		2022-06-28
4	Fused deposition modeling machines	1	Machine load running test	《Fused deposition modeling machines -Technical requirements》 JB/T 10627-2006 7.2		2022-06-28
		2	service test	《Fused deposition modeling machines -Technical requirements》 JB/T 10627-2006 7.1 relocation 1		2022-06-28
5	Stereo light curing laser rapid prototyping machine	1	Machine load running test	《 Stereolifhography laser prototyping machines Technical requirements》 JB/T 10626-2006 7.1		2022-06-28
		2	service test	《 Stereolifhography laser prototyping machines Technical requirements》 JB/T 10626-2006 7.2		2022-06-28
6	Melt deposition (FDM)	1	temperature control accuracy	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.5		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	additive manufacturing equipment	2	performance	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.6		2022-06-28
		3	print accuracy	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.7		2022-06-28
		4	noisy	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.8		2022-06-28
		5	operation	《Test method of FDM (FDM) additive manufacturing equipment》 Q/CAMT001-2016 4.10		2022-06-28
7	A rapid forming machine with laser as processing power	1	Protection quality	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.3.2		2022-06-28
		2	Impulse power	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.3.2		2022-06-28
		3	The installation height	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.4.5		2022-06-28
		4	prevent solids from entering	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.5.1		2022-06-28
		5	Continuity of ground circuit	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.5.2		2022-06-28
		6	Insulation resistance	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.5.2		2022-06-28
		7	Withstand voltage	《The safety protection technical requirement of the rapid		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				forming machine tool with laser as processing power》 GB 25493-2010 5.5.2		
		8	Heat resistant	《The safety protection technical requirement of the rapid forming machine tool with laser as processing power》 GB 25493-2010 5.6		2022-06-28
8	IT equipment	1	Input Current	《Information technology equipment.Safety.Part1:General requirements》 GB 4943.1-2011 1.6.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 1.6.2		2022-06-28
		2	Durability	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 1.7.11		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 1.7.11		2022-06-28
		3	Energy hazards	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.1.1.5		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.1.1.5		2022-06-28
		4	In the discharge of the capacitor device	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.1.1.7		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.1.1.7		2022-06-28
		5	Voltage under normal operating conditions	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.2.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.2.2		2022-06-28
		6	Voltage under fault conditions	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.2.3		2022-06-28

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		№	Item/ Parameter			
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.2.3		2022-06-28
		7	Operating voltage externally generated test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.3.5		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.3.5		2022-06-28
		8	Limiting current limits	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.4.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.4.2		2022-06-28
		9	Restricted power supply	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.5		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.5		2022-06-28
		10	Its resistance grounding conductor connection	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.6.3.4		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.6.3.4		2022-06-28
		11	Characteristics of the insulating material	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.9.1		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.9.1		2022-06-28
		12	Heat treatment	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.9.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.9.2		2022-06-28

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		13	The basic requirements for clearances	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.10.3.1		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.3.1		2022-06-28
		14	A circuit clearances	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.10.3.3		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.3.3		2022-06-28
		15	CLEARANCE secondary circuit	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.10.3.4		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.3.4		2022-06-28
		16	The minimum creepage distance	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 2.10.4.3		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 2.10.4.3		2022-06-28
		17	Cord an chorages and strain relief	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 3.2.6		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 3.2.6		2022-06-28
		18	stability	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.1		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.1		2022-06-28
		19	The basic requirements for mechanical strength	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.2.1		2022-06-28

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		№	Item/ Parameter			
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.1		2022-06-28
		20	10N constant force test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.2.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.2		2022-06-28
		21	30N constant force test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.2.3		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.3		2022-06-28
		22	250N constant force test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.2.4		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.4		2022-06-28
		23	Impact test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.2.5		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.5		2022-06-28
		24	Drop Test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.2.6		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.6		2022-06-28
		25	stress relief test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.2.7		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.2.7		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		26	Handles and manual control device	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.3.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.3.2		2022-06-28
		27	Temperature Test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.5.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.5.2		2022-06-28
		28	Materials for fire enclosures	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 4.7.3.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 4.5.2		2022-06-28
		29	Touch current and protective conductor current	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 5.1		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 5.1		2022-06-28
		30	Dielectric strength	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 5.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 5.2		2022-06-28
		31	Steady-state test	《Information technology equipment.Safety.Part 1:General requirements》 GB 4943.1-2011 6.2.2.2		2022-06-28
				《Information technology equipment.Safety.Part1:General requirements》 IEC 60950-1-2013 6.2.2.2		2022-06-28
9	Military equipment	1	vibration test	《Laboratory environmental test methods for military materiel—Part 16:Vibration test》 GJB150.16A-2009 7	Accredited only for general	2022-06-28

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					vibration;Except for amplitude≥0.1g2/Hz	
		2	Salt spray test	《Laboratory environmental test methods for military materiel—Part 11:Salt fog test》 GJB150.11A-2009 7		2022-06-28
		3	Thermal shock test	《Laboratory environmental test methods for military materiel—Part 5:Temperature shock test》 GJB150.5A-2009 7	Accredited only for-70℃～200℃	2022-06-28
		4	Low temperature test	《Laboratory environmental test methods for military materiel—Part 4:Low temperature test》 GJB150.4A-2009 7	Accredited only for -70℃～room temperature	2022-06-28
		5	High-temperature test	《Laboratory environmental test methods for military materiel—Part 3:High temperature test》 GJB150.3A-2009 7	Accredited only for room temperature～180℃	2022-06-28
		6	Hygrothermal test of military equipment	《Laboratory environmental test methods for military materiel—Part 9:Damp heat test》 GJB150.9A-2009 7	Accredited only for Relative humidity (20～98)%	2022-06-28
10	Electrical products	1	temperature variation	《Environmental testing.Part 2:Test methods.Test N:Change of temperature》 GB/T 2423.22-2012 78	Except for Nc tset	2022-06-28
11	Selective laser sintering	1		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 5.5	Except for concentrati	2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	prototyping machines				on of hazardous substances test	
		2		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 6.2		2022-06-28
		3		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 6.3		2022-06-28
		4		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 7.1		2022-06-28
		5		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 7.2		2022-06-28
		6		《Selective laser sintering prototyping machines----Technical requirements》 JB/T 10625-2006 8		2022-06-28
12	Constituency laser melting process equipment	1	Cosmetic requirements	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.1		2022-06-28
		2	Laser power	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.2		2022-06-28
		3	Preheating device	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.3		2022-06-28
		4	Equipment performance	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.4		2022-06-28
		5	Applicable to material forming performance assessment	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 4.5		2022-06-28
		6	mark	《Constituency laser melting process equipment technical specification》 CBC 5201-2018 6		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
13	Structural parts	1	tolerances of form	《Geometrical product Specifecations(GPS)-geometrical tolerance-verification》 GB/T 1958-2017 7.1		2022-06-28
		2	tolerances of orientation	《Geometrical product Specifecations(GPS)-geometrical tolerance-verification》 GB/T 1958-2017 7.2		2022-06-28
		3	tolerances of location	《Geometrical product Specifecations(GPS)-geometrical tolerance-verification》 GB/T 1958-2017 7.3		2022-06-28
		4	tolerances of run-out	《Geometrical product Specifecations(GPS)-geometrical tolerance-verification》 GB/T 1958-2017 7.4		2022-06-28
		5	Surface roughness parameters	《Geometrical Product Specifications(GPS).Surface texture:Profile method.Surface roughness parameters and their values》 GB/T 1031-2009 4 5 6		2022-06-28
14	Rapid prototyping machine	1	Noise	《General rules for inspection of machine tools -- Part 5: Determination of noise emission》 GB/T 17421.5-2015 6		2022-06-28
15	Frame	1	size	《Geometrical specifications for products of rapid prototyping machine tools (GPS) inspection of smooth workpiece size》 GB/T 3177-2009 5,6		2022-06-28
16	Frame	1	Salt spray test	《Standard Practice for Operating Salt Spray (Fog) Apparatus》 ASTM B117 - 19 10,11,12		2022-06-28
17	electrical and electronic products	1	Low air pressure	《Environmental testing for electric and electronic products.Part 2 Test methods Test M:Low air pressure》 GB/T 2423.21-2008/IEC 60068-2-13:1983 7		2023-06-19
		2	Combined temperature or temperature and humidity with low	《Environmental testing.Part 2:Test methods.Test method and guidance：Combined temperature or temperature and humidity with low air pressure tests》 GB/T 2423.27-2020GB/T 2423.27-2020/IEC 60068-2-39:2015 4		2023-06-19

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
			air pressure			
		3	Low pressure (altitude)	《Environmental testing methods for military equipment laboratories - Part 2: Low pressure (altitude) testing》 GJB 150.2A-2009 7		2023-06-19
		4	Acidic atmosphere	《Environmental testing for military equipment laboratories - Part 28: Acidic atmosphere testing》 GJB 150.28-2009 7		2023-06-19
9、Nondestructive test						
1	Metal materials and products, non-metallic materials and products, composite materials and products	1	Industrial computed tomography (CT) detection	《Non-destructive testing.Industrial computed tomography (CT) testing.General requirements》 GB/T 29070-2012 6		2022-06-28
				《Non-destructive testing.Test method for measuring industrial computed tomography (CT) image》 GB/T 29067-2012 6		2022-06-28
2	Metal materials and products, non-metallic materials and products, composite materials and products	1	Industrial computed tomography (CT) detection	《Hollow powder ratio of additive manufacture metal powder-industrial computed tomography test method》 Q/CAMT006-2018 7		2022-06-28
3	Metal materials and products	1	Ultrasonic testing	《Non-destructive testing of welds.Ultrasonic testing.Techniques, testing levels, and assessment》 GB/T 11345-2013 10.2		2022-06-28
		2	Magnetic particle testing	《Non-destructive testing.Magnetic particle testing.Part 1:General principles》 GB/T 15822.1-2005 8.3		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				《Non-destructive testing of welds.Magentic particle testing》 GB/T 26951-2011 5.6		2022-06-28
		3	Penetrant testing	《Non-destructive testing.Penetrant testing.Part 1:General principles》 GB/T 18851.1-2012 8		2022-06-28
4	Steel castings	1	Ultrasonic testing	《Steel castings.Ultrasonic examination.Part 1:Steel castings for general purposes》 GB/T 7233.1-2009 5.5		2022-06-28
		2	Magnetic particle testing	《Magnetic particle testing for steel castings》 GB/T 9444-2019 4		2022-06-28
		3	Penetrant testing	《Penetrant testing for steel castings》 GB/T 9443-2019 5		2022-06-28
5	Steel forgings	1	Ultrasonic testing	《Steel forgings. Method for ultrasonic testing》 GB/T 6402-2008 11		2022-06-28
		2	Magnetic particle testing	《Magnetic particle testing for steel forgings》 JB/T 8468-2014 9.6		2022-06-28
		3	Penetrant testing	《Penetrant testing for steel forgings》 JB/T 8466-2014 12		2022-06-28
6	Thicker steel plates	1	Ultrasonic testing	《Method for ultrasonic testing of thicker steel plates》 GB/T 2970-2016 6		2022-06-28
7	Metal materials and products, non-metallic materials and products, composite materials and products	1	Industrial computed tomography (CT) detection	《Industrial computed tomographic (CT) inspection》 GJB 5312-2004 7		2022-06-28
8	Metal materialsand products	1	penetrant inspection	Standard Practice for Liquid Penetrant Testing ASTM E1417-2016 7		2022-06-28
		2	penetrant inspection	Penetrant Testing HB/Z 61-1998 5		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	penetrant inspection	Liquid penetrant inspection of metallic surgical implants YY/T 0343-2002 3		2022-06-28
		4	Ultrasonic testing	Non-destructive testing of welds — Ultrasonic testing — Techniques, testing levels, and assessment ISO 17640-2018 10		2022-06-28
		5	Radiographic Testing	X-ray CT testing method of the porous metal materials for surgical implant applications GB/T 36984-2018 7		2022-06-28
		6	Magnetic Testing	Non-destructive testing-Magnetic particle testing-Part 1:General principles GB/T 15822.1-2005 8		2022-06-28
		7	Magnetic Testing	Magnetic particle testing for steel forgings JB/T 8468-2014 9		2022-06-28
9	Aluminium	1	Nondestructive test	《Ultrasonic inspection of wrought aluminium and magnesium alloy products》 GB/T 6519-2013 9	Except for Appendix A: A2.2.4 thick-walled tube longitudinal wave test, A2.2.5 bar longitudinal wave test, A2.3 shear wave test, Appendix B.	2023-06-19
10、Vehicle						
1	electric self-balancing scooters	1	salt fog resistance test	《Safety specifications for electric self-balancing scooters》 GB/T34667-2017 6.3.2		2022-06-28
		2	energy recovery overcharge protection	《safety requirements and test method for electric self-balancing scooters》 GB/T34668-2017 9.1.5		2022-06-28

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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	vibration	《safety requirements and test method for electric self-balancing scooters》 GB/T34668-2017 9.4.1		2022-06-28
		4	Dustproof performance	《Safety specifications for electric self-balancing scooters》 GB/T34667-2017 5.4.2		2022-06-28
		5	temperature shock	《safety requirements and test method for electric self-balancing scooters》 GB/T34668-2017 9.4.4		2022-06-28
11、General parameters for metal material						
1	Copper and copper alloys	1	Copper content	《Methods for chemical analysis of copper and copper alloys - Part 1:Determination of copper content》 GB/T 5121.1-2008		2022-06-28
				《Determination of copper content in copper-Rapid electrolysis by controlling potential and the flame atomic absorption spectrophotometric method》 Q/CPVT 006-2014		2022-06-28
		2	Phosphorus content	《Methods for chemical analysis of copper and copper alloys - Part 2:Determination of phosphorus content》 GB/T 5121.2-2008		2022-06-28
		3	Lead content	《Methods for chemical analysis of copper and copper alloys - Part 3:Determination of lead content》 GB/T 5121.3-2008		2022-06-28
		4	carbon and sulfur content	《Methods for chemical analysis of copper and copper alloys - Part 4:Determination of carbon and sulfur content》 GB/T 5121.4-2008		2022-06-28
		5	Nickel content	《Methods for chemical analysis of copper and copper alloys - Part 5:Determination of nickel content》 GB/T 5121.5-2008		2022-06-28
		6	Bismuth content	《Methods for chemical analysis of copper and copper alloys - Part 6:Determination of bismuth content》 GB/T 5121.6-2008		2022-06-28
		7	Arsenic content	《Methods for chemical analysis of copper and copper alloys - Part 7:Determination of arsenic content》 GB/T 5121.7-2008		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	Iron content	《Methods for chemical analysis of copper and copper alloys- Part 9:Determination of iron content》 GB/T 5121.9-2008		2022-06-28
		9	Tin content	《Methods for chemical analysis of copper and copper alloys - Part 10:Determination of tin content》 GB/T 5121.10-2008		2022-06-28
		10	Zinc content	《Methods for chemical analysis of copper and copper alloys - Part 11:Determination of zinc content》 GB/T 5121.11-2008		2022-06-28
		11	Antimony content	《Methods for chemical analysis of copper and copper alloys- Part 12:Determination of antimony content》 GB/T 5121.12-2008		2022-06-28
		12	Silver content	《Methods for chemical analysis of copper and copper alloys - Part 19:Determination of silver content》 GB/T 5121.19-2008		2022-06-28
		13	oxygen content	《Methods for chemical analysis of copper and copper alloys— Part 8:Determination of oxygen content》 GB/T 5121.8-2008		2022-06-28
		14	Aluminium content	《Methods for chemical analysis of copper and copper alloys - Part 13:Determination of aluminium content》 GB/T 5121.13-2008		2022-06-28
		15	Manganese content	《Methods for chemical analysis of copper and copper alloys - Part 14：Determination of manganese content》 GB/T 5121.14-2008		2022-06-28
		16	Cobalt content	《Methods for chemical analysis of copper and copper alloys- Part 15:Determination of cobalt content》 GB/T 5121.15-2008		2022-06-28
		17	Chromium content	《Methods for chemical analysis of copper and copper alloys - Part 16:Determination of chromium content》 GB/T 5121.16-2008		2022-06-28
		18	Beryllium content	《Methods for chemical analysis of copper and copper alloys- Part 17:Determination of beryllium content》 GB/T 5121.17-2008		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		19	Magnesium content	《Methods for chemical analysis of copper and copper alloys - Part 18:Determination of magnesium content》 GB/T 5121.18-2008		2022-06-28
		20	Zirconium content	《Methods for chemical analysis of copper and copper alloys - Part 20:Determination of zirconium content》 GB/T 5121.20-2008		2022-06-28
		21	Titanaum content	《Methods for chemical analysis of copper and copper alloys - Part 21:Determination of titanaum content》 GB/T 5121.21-2008		2022-06-28
		22	Cadmium content	《Methods for chemical analysis of copper and copper alloys - Part 22:Determination of cadmium content》 GB/T 5121.22-2008		2022-06-28
		23	Silicon content	《Methods for chemical analysis of copper and copper alloys - Part 23:Determination of silicon content》 GB/T 5121.23-2008		2022-06-28
		24	Selenium and tellurium content	《 Methods for chemical analysis of copper and copper alloys- Part 24:Determination of selenium and tellurium content》 GB/T 5121.24-2008		2022-06-28
		25	Boron content	《 Methods for chemical analysis of copper and copper alloys- Part 25:Determination of boron content》 GB/T 5121.25-2008		2022-06-28
		26	Mercury content	《 Methods for chemical analysis of copper and copper alloys- Part 26:Determination of mercury content》 GB/T 5121.26-2008		2022-06-28
		27	lead	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		28	Iron	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		29	bismuth	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		30	arsenic	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		31	tin	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		32	nickel	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		33	phosphorus	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		34	sulfur	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		35	Manganese content	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		36	silicon	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		37	chromium	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		38	aluminum	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		39	silver	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		40	Zirconium	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		41	magnesium	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		42	selenium	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		43	Antimony	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		44	cadmium	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		45	tellurium	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		46	zinc	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		47	cobalt	《Methods for analysis of copper and copper alloys-The atomic emission spectrometry》 YS/T 482-2005		2022-06-28
		48	phosphorus	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		49	nickel	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		50	cadmium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		51	beryllium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		52	selenium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		53	magnesium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				spectromertric method》 GB/T 5121.27-2008		
		54	silver	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		55	bismuth	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		56	antimony	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		57	arsenic	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		58	iron	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		59	lead	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		60	tin	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		61	sulfur	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		62	zinc	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				spectromertric method》 GB/T 5121.27-2008		
		63	manganese	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		64	tellurium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		65	aluminum	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		66	silicon	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		67	cobalt	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		68	titanium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		69	zirconium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		70	chromium	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
		71	boron	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				spectromertric method》 GB/T 5121.27-2008		
		72	mercury	《Methods for chemical analysis of copper and copper alloys.Part 27:The inductively coupled plasma atomic emission spectromertric method》 GB/T 5121.27-2008		2022-06-28
2	Iron,steel and alloy	1	Total sulfur content	《Steel and iron Determination of sulfur content -Infrared absorption method after combustion in an induction furnace》 ISO 4935-1989（E）		2022-06-28
		2	sulfur content	《Steel and iron-Determination of sulfur content-Infrared absorption method after combustion in an induction furnace》 GB/T 223.85-2009		2022-06-28
		3	Oxygen	《Steel and lron-Determination of oxygen content-The pulse heating inert gas fusion-infra-red absorption method》 GB/T 11261-2006		2022-06-28
		4	Nitrogen	《Steel and iron-Determination of nitrogen content-Thermal conductimetric method after fusion in a current of inert gas(Routine method)》 GB/T 20124-2006		2022-06-28
3	Carbon and Low-Alloy steel	1	Carbon	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		2	silicon	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		3	Manganese	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		4	Phosphorus	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				method)》 GB/T 4336-2016		
		5	sulfur	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		6	chromium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		7	nickel	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		8	tungsten	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		9	Molybdenum	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		10	Vanadium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		11	aluminum	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		12	Titanium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		13	Copper	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				method)》 GB/T 4336-2016		
		14	niobium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		15	cobalt	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		16	boron	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		17	Zirconium	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		18	arsenic	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
		19	tin	《Standard test method for spark discharge atomic emission spectrometric analysis of carbon and Low-Alloy steel(routine method)》 GB/T 4336-2016		2022-06-28
4	Lead and lead alloys	1	Tin content	《Methods for chemical analysis of lead and lead alloys-Part 1:Determination of tin content》 GB/T 4103.1-2012		2022-06-28
		2	Antimony content	《Methods for chemical analysis of lead and lead alloys-Part 2:Determination of antimony content》 GB/T 4103.2-2012		2022-06-28
		3	Copper content	《Methods for chemical analysis of lead and lead alloys-Part 3:Determination of copper content》 GB/T 4103.3-2012		2022-06-28
		4	Iron content	《Methods for chemical analysis of lead and lead alloys-Part 4:Determination of iron content》 GB/T 4103.4-2012		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		5	Bismuth content	《Methods for chemical analysis of lead and lead alloys-Part 5:Determination of bismuth content》 GB/T 4103.5-2012		2022-06-28
		6	Arsenic content	《Methods for chemical analysis of lead and lead alloys-Part 6:Determination of arsenic content》 GB/T 4103.6-2012		2022-06-28
		7	Calcium content	《Methods for chemical analysis of lead and lead alloys-Part 9:Determination of calcium content》 GB/T 4103.9-2012		2022-06-28
		8	Silver content	《Methods for chemical analysis of lead and lead alloys-Part 10:Determination of silver content》 GB/T 4103.10-2012	Accredited only for Method Ⅰ	2022-06-28
		9	Zinc content	《Methods for chemical analysis of lead and lead alloys-Part 11:Determination of zinc content》 GB/T 4103.11-2012		2022-06-28
		10	Thallium content	《Methods for chemical analysis of lead and lead alloys-Part 12:Determination of thallium content》 GB/T 4103.12-2012		2022-06-28
5	aluminium and aluminium alloys	1	silicon	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015 7		2022-06-28
		2	Iron	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		3	Copper	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		4	manganese	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		5	magnesium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		6	chromium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		7	nickel	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		8	zinc	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		9	Titanium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		10	gallium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		11	Vanadium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		12	Zirconium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		13	beryllium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		14	lead	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		15	tin	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		16	Antimony	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		17	bismuth	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		18	strontium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		19	Cerium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		20	calcium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		21	phosphorus	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		22	cadmium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		23	arsenic	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
		24	Natrium	《Optical emission spectrometric analysis method of aluminum and aluminum alloys》 GB/T 7999-2015		2022-06-28
6	Titanium and Titanium Alloys	1	Oxygen	《Standard Test Method for Detemination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E 1409-2008		2022-06-28
		2	Nitrogen	《Standard Test Method for Detemination of Oxygen and Nitrogen in Titanium and Titanium Alloys by the inert Gas Fusion Technique》 ASTM E 1409-2008		2022-06-28
		3	Hydrogen	《Standard Test Method for Detemination of Hydrogen in Titanium and Titanium Alloys by Inert Gas Fusion Thermal Conduetivity/Infrared Detection Method》 ASTM E 1447-2009		2022-06-28
7	Tin	1	copper content	《Methods for chemical analysis of tin-Part 1:Determination of copper content-Flame atomic absorption spectrometric method》 GB/T 3260.1-2013		2022-06-28
		2	Iron content	《Methods for chemical analysis of tin-Part 2:Determination of iron content-1,10-phenanthroline photometric method》 GB/T 3260.2-2013		2022-06-28
		3	lead content	《Methods for chemical analysis of tin-Part 4:Determination of lead content-Flame atomic absorption spectrometric method》 GB/T 3260.4-2013		2022-06-28
		4	zinc content	《Methods for chemical analysis of tin-Part 8:Determination of		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				zinc content-Flame atomic absorption spectrometric method》 GB/T 3260.8-2013		
8	tin-lead solders	1	Tin content	《Methods for chemical analysis of tin-lead solders-Determination of tin content》 GB/T 10574.1-2003		2022-06-28
		2	Antimony content	《Methods for chemical analysis of tin-lead solders-Determination of antimony content》 GB/T 10574.2-2003		2022-06-28
		3	Bismuth content	《Methods for chemical analysis of tin-lead solders-Determination of bismuth content》 GB/T 10574.3-2003		2022-06-28
		4	Iron content	《Methods for chemical analysis of tin-lead solders-Determination of iron content》 GB/T 10574.4-2003		2022-06-28
		5	Arsenic content	《Methods for chemical analysis of tin-lead solders-Determination of arsenic content》 GB/T 10574.5-2003		2022-06-28
		6	Copper content	《Methods for chemical analysis of tin-lead solders-Determination of copper content》 GB/T 10574.6-2003		2022-06-28
9	tin-lead solders	1	Silver content	《Methods for chemical analysis of tin-lead solders-Part7:Determination of silver content- Flame atomic absorption spectrometry and potassium thiocyanate potentiometric titration》 GB/T 10574.7-2017		2022-06-28
		2	Zine content	《Methods for chemical analysis of tin-lead solders-Part8: Determination of zine content- Flame atomic absorption spectrometric method》 GB/T 10574.8-2017		2022-06-28
		3	Cadmium content	《Methods for chemical analysis of tin-lead solders-Part10: Determination of cadmium content-Flame atomic absorption spectrometry and Na2EDTA titration》 GB/T 10574.10-2017		2022-06-28
		4	Sulphur content	《Methods for chemical analysis of tin-lead solders-Part12: Determination of sulphur content- High frequency combustion with infrared absorption method》 GB/T 10574.12-2017		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
10	tin-lead solders	1	Phosphorus content	《Methods for chemical analysis of tin-lead solders-Part 11:Determination of phosphorus content -Crystal violet phosphorus-vanadium-molybdeum heteropoly acid spectrophotometry》 GB/T 10574.11-2017		2022-06-28
		2	Antimony	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		3	Bismuth	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		4	Iron	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		5	Arsenic	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		6	Copper	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Silver	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		8	Zinic	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		9	Aluminum	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		10	Cadmium	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		11	Phosphorous	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma atomic emission spectrometric method》 GB/T 10574.13-2017		2022-06-28
		12	Gold	《Methods for chemical analysis of tin-lead solders-Part 13:Determination of anitimony,bismuth,iron,arsenic,copper,silver,zinic,aluminum,cadmium,phosphorous and gold contents-Inductively coupled plasma		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				atomic emission spectrometric method》 GB/T 10574.13-2017		
11	anodic oxidation coatings of aluminium and aluminium alloys	1	Assessment of quality of sealed anodic oxide coatings	《Anodizing of aluminium and its alloys-Assessment of quality of sealed anodic oxide coatings-Part 1：Measurement of the loss of mass after immersion in acid solution(s)》 GB/T 8753.1-2017 12		2022-06-28
				《Anodizing of aluminium and aluminium alloys-Assessment of quality of sealed anodic oxide coatings - Part 2:Phosphoric acid/chromic acid test with nitric acid predip》 GB/T 8753.2-2005		2022-06-28
12	anodic oxidation coatings of aluminium and aluminium alloys	1	Salt spray test	《Test methods for anodic oxidation coatings of aluminium and aluminium alloys.Part 3:Copper accelerated acetic acid salt spray test(CASS test)》 GB/T 12967.3-2008		2022-06-28
13	Non-mangnetic coatings on magnetic substrates-Coating thickness	1	Coating thickness	《Non-mangnetic coatings on magnetic substrates-Measurement of coating thickness-Magnetic method》 GB/T 4956-2003		2022-06-28
14	Non-conductive coatings on non-magnetic basis metais	1	Coatings thickness	《Non-conductive coatings on non-magnetic basis metais-Measurement of coatings thickness-Eddy current》 GB/T 4957-2003		2022-06-28
15	Hot-rollel steel bars	1	size	《Hot-rollel steel bars-Dimensions,shape,weight and tolerances》 GB/T 702-2017		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	weight	《Hot-rollel steel bars-Dimensions,shape,weight and tolerances》 GB/T 702-2017		2022-06-28
16	Metallic materials	1	Galvanized coatings	《Test method for gravimetric determination of the mass per unit area of galvanized coatings on steel products》 GB/T1839-2008		2022-06-28
17	raw and auxiliary materials	1	Quantity analysis	《General rules for atomic absorption spectrometric analysis》 GB/T 15337-2008		2022-06-28
		2	Salt spray test	《Corrosion tests in artificial atmospheres.Salt spray tests》 GB/T 10125-2021		2022-06-28
				《Corrosion tests in artificial atmospheres-Salt spray tests》 ISO 9227:2006		2022-06-28
18	Metallic materials	1	tensile strength	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 10.3.3	Accredited only for tension less than 1000KN	2022-06-28
		2	yield strength	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 10.3.3、11、12、13、14、16、20、21	Accredited only for tension less than 1000KN，Method B	2022-06-28
		3	Elongation rate	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 20		2022-06-28
		4	Section shrinkage	《Metallic materials—Tensile testing—Part 1: Method of test at room temperature》 GB/T 228.1-2021 21		2022-06-28
		5	Vickers hardness	《Metallic materials--Vickers hardness test-- Part 1: Test method》 GB/T 4340.1-2009 7		2022-06-28
		6	Bend test	《Metallic materials-Bend test》 GB/T 232-2010 7		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		7	Surface morphology and size measurement	《General rules of analytical methods for scanning electron microscopy》 JY/T 0584-2020 6		2022-06-28
				《General rules for measurement of length in micron scale by SEM》 GB/T 16594-2008 5		2022-06-28
				《General rules for nanometer-scale length measurement by SEM》 GB/T 20307-2006 5		2022-06-28
		8	Determination of modulus of elasticity	《Metallic materials.Determination of modulus of elasticity and Poisson's ratio》 GB/T 22315-2008 5	Accredited only for Static method	2022-06-28
		9	Poisson's ratio	《Metallic materials.Determination of modulus of elasticity and Poisson's ratio》 GB/T 22315-2008 5	Accredited only for Static method	2022-06-28
		10	Rockwell hardness	《Metallic materials--Rockwell hardness test--Part 1:Test method》 GB/T 230.1-2018 7	Accredited only for HRA、HRB、HRC	2022-06-28
		11	Brinell hardness	《Metallic materials--Brinell hardness test--Part 1: Test method》 GB/T 231.1-2018 7		2022-06-28
		12	Coating inckness of metallic and oxide coatings	《Metallic and oxide coatings-Measurement of coating inckness-Microscopical method》 GB/T 6462-2005 7		2022-06-28
19	fasteners Bolts, screws and studs	1	Wedge load test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.1	only for tension less than 1000KN	2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	Tensile test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.2	only for tension less than 1000KN	2022-06-28
		3	Guaranteed load test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.6	only for tension less than 1000KN	2022-06-28
		4	Tensile test of fasteners	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.3	only for tension less than 1000KN	2022-06-28
		5	Head firmness test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.8		2022-06-28
		6	Vickers hardness	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.9		2022-06-28
		7	Carburization	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.11		2022-06-28
		8	Decarburization	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.10		2022-06-28
		9	Torque test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.13		2022-06-28
		10	Minimum tensile load	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.4		2022-06-28
		11	Minimum tensile strength	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.5		2022-06-28
		12	Tensile test of mechanical machining	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.7		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		13	impact test	《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010 9.14		2022-06-28
20	fasteners Bolts, screws and studs			《Mechanical properties of fasteners Bolts, screws and studs》 GB/T 3098.1-2010		2022-06-28
21	Metallic materials	1	Aluminum、Boron、Calcium、Chromium、Cobalt、Copper、Iron、Molybdenum、phosphorus、Silicon、Lead、Tin、Titanium、Tungsten、Vanadium、Zirconium、Manganese、Magnesium、Niobium、Tantalum、Yttrium、Cerium、Rhenium、Hafnium、Platinum、Selenium	《Analysis of nickel alloy composition by inductively coupled plasma atomic emission spectrometry》 ASTM E2594-20 3		2022-06-28
22	Metallic materials	1	.Nitrogen、Oxygen	《Standard Test Method for carbon, sulfur, nitrogen, and oxygen in steel, iron, nickel, and cobalt alloys by different combustion		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				and inert gas fusion techniques》 ASTM E1019-18 3,4		
23	Metallic materials	1	Yield Strength	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for ：200℃~1200℃ ≤300kN，Method B，Circular Specimen	2022-06-28
		2	Proof strength, plastic extension	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for ：200℃~1200℃ ≤300kN，Method B，Circular Specimen	2022-06-28
		3	Percentage elongation after fracture	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for ：200℃~1200℃ ≤300kN，Circular Specimen	2022-06-28
		4	Percentage reduction of area	《Metallic materials-Tensile testing-Part 2:Method of test at elevated temperature》 GB/T 228.2-2015 11	Accredited only for ：	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					200℃~1200℃ ≤300kN，Circular Specimen	
24	Metallic materials	1	Fatigue life	《The test method for axial loading constant-amplitude low-cycle fatigue of metallic materials》 GB/T 15248-2008 7	Accredited only for tension less than 100kN	2022-06-28
		2	Stress-strain hysteresis loop	《The test method for axial loading constant-amplitude low-cycle fatigue of metallic materials》 GB/T 15248-2008 7	Accredited only for tension less than 100kN	2022-06-28
25	Metallic materials	1	Fatigue life	《Metallic materials-Fatigue testing-Axial-strain-controlled method》 GB/T 26077-2021 7	Accredited only for ≤100kN ≤1000℃	2022-06-28
		2	hysteresis loop	《Metallic materials-Fatigue testing-Axial-strain-controlled method》 GB/T 26077-2021 7	Accredited only for ≤100kN ≤1000℃	2022-06-28
26	Metallic materials	1	Fatigue crack growth rate	《Metallic materials-Fatigue testing-Fatigue crack growth method》 GB/T 6398-2017 7	Accredited only for ≤100kN Specimen: standard compact tensile specimen (CT)	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
27	Metallic materials	1	Plane-strain fracture toughness	《Metallic materials-Determination of plane-strain fracture toughness》 GB/T 4161-2007 8	Accredited only for ≤100kN Specimen: standard compact tensile specimen (CT)	2022-06-28
28	metallic and other inorganic coatings on metallic substrates	1	Rating of test specimens and manufactured articles subjected to corrosion tests	Methods for corrosion testing of metallic and other inorganic coatings on metallic substrates-Rating of test specimens and manufactured articles subjected to corrosion tests GB/T 6461-2002		2022-06-28
29	Bare wire	1	Tensile test	《Test methods for bare wires—Part 3：Tensile test》 GB/T 4909.3-2009 6		2022-06-28
30	Dental prefabricated root post		Partial parameters	Dental prefabricated root post YY/T 0517-2009	Accredited only for Appearance , size，internal porosity	2022-06-28
31	TitaniumAlloys	1	Microstructure	Wrought titanium and titanium alloy for surgical implants GB/T 13810-2017 3.3.3.5		2022-06-28
32	Metallicmaterials	1	fatigue testing	Metallic materials—Fatigue testing—Axial force-controlled method GB/T 3075-2021 4	Accredited only for ≤100kN Sample: round or strip type	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		2	fatigue life	Metallic materials-Fatigue testing-Axial-strain-controlled method GB/T 26077-2021 7	Accredited only for ≤100kN，≤1000℃	2022-06-28
		3	hysteresis loop	Metallic materials-Fatigue testing-Axial-strain-controlled method GB/T 26077-2021 7	Accredited only for ≤100kN，≤1000℃	2022-06-28
12、General parameters for electrical and electronic products						
1	electric and electronic products	1	Salt spray test	《Environmental testing for electric and electronic products-Part2:Test methods-Test Ka:Salt mist》 GB/T 2423.17-2008		2022-06-28
				《Environmental testing for electric and electronic products-Part2:Test methods-Test Ka:Salt mist》 IEC 60068-2-11:1981		2022-06-28
		2	Flame resistance(Case/PCB/insulation material)	《Fire hazard testing for electric and electronic products-part 16：Test flames-50W horizontal and vertical flame test methods,IDT 》 GB/T 5169.16-2017		2022-06-28
		3	Vibration Test	《Environmental testing —Part2:Tests methods-Test Fc：Vibration(sinusoidal)》 GB/T 2423.10-2019	Accredited only for 10～2000Hz	2022-06-28
		4	Damp heat, steady state	《Environmental testing -Part 2-78:Tests-Test Cab:Damp heat, steady state IDT》 IEC 60068-2-78:2012		2022-06-28
				《Environmental testing - Part2::Testing method - Test Cab:Damp heat,steady state》 GB/T 2423.3-2016		2022-06-28
2	Environmental testing for electric and	1	Low temperature test (low temperature test)	《Environmental testing for electric and electronic products-Part2:Test methods-Tests A:Cold》 GB/T 2423.1-2008	Accredited only for:Temper	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
	electronic products				ature：≧-40℃	
		2	High temperature test (high temperature test)	《Environmental testing for electric and electronic products-Part2:Test methods-Tests B:Dry heat》 GB/T 2423.2-2008	Accredited only for:Temperature：≤150℃	2022-06-28
		3	Damp heat test	《Environmental testing for electric and electronic products-Part2:Test methods-Tests Db:Damp heat,cyclic(12h+12h cycle)》 GB/T 2423.4-2008		2022-06-28
		4	Mechanical strength test	《Environmental testing for electric and electronic products- Part 2:Test methods-Test Eh:Hammer tests》 GB/T 2423.55-2006 试验 Eh		2022-06-28
		5	Test to prevent the entry of solid foreign bodies	《Degrees of protection provided by enclosure（IP code）》 GB/T 4208-2017 13	Accredited only for 1m³ and less samples	2022-06-28
		6	Test to prevent water from entering	《Degrees of protection provided by enclosure（IP code）》 GB/T 4208-2017 14	no second feature number 9 test	2022-06-28
3	Electrcial and electronic products	1	lead	《Electrical and electronic products-Determination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011	Except for ICP-MS	2022-06-28
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl	Except for ICP-MS	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				ethers)》 IEC 62321:2008		
		2	mercury	《Electrical and electronic products-Determination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011	Except for ICP-MS	2022-06-28
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 IEC 62321:2008	Except for ICP-MS	2022-06-28
		3	cadmium	《Electrical and electronic products-Determination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011	Except for ICP-MS	2022-06-28
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 IEC 62321:2008	Except for ICP-MS	2022-06-28
		4	hexavalent chromium	《Electrical and electronic products-Determination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 GB/T 26125-2011	Except for ICP-MS	2022-06-28
				《Electrotechnical products-Determination of levels of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers)》 IEC 62321:2008	Except for ICP-MS	2022-06-28
4	electric and electronic product	1	salt spray	Environmental testing-Part 2:Tests-Test Kb:Salt mist,cyclic(sodium chloride solution)》 GB/T 2423.18-2021		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
5	Electrical and electronic products	1	Tests for protection against solid foreign objects indicated by the first characteristic numeral	Degrees of protection provided by enclosures(IP code) IEC 60529:2013 13		2022-06-28
		2	Tests for protection against water indicated by the second characteristic numeral	Degrees of protection provided by enclosures(IP code) IEC 60529:2013 14	Do not test the second characteristic number 9	2022-06-28
6	Electronic and electrical products	1	total Br	《Electronic and electrical products -- Determination of six restricted substances (lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated diphenyl ethers)》 GB/T 26125-2011 6		2022-06-28
		2	total Cr	Electical and electronic products-Detemination of six regulated substances(lead,mercury,cadmium,hexavalent chromium,polybrominated biphenyls,polybrominated diphenyl ethers) GB/T 26125-2011 6		2022-06-28
7	Electronic and electrical products	1	Phthalate	《Determination of certain substances in electrotechnical products – Part 8: Phthalates in polymers by gas chromatography-mass spectrometry (GC-MS), gas chromatography-mass spectrometry using a pyrolyzer/thermal desorption accessory (Py/TD-GC-MS) 》 IEC 62321-8-2017 8		2022-06-28
8	electric and electyonic products	1	Dust and sand	Environmental testing for electric and electyonic products —Part 2：Test methods-Test L：Dust and sand GB/T 2423.37-2006		2022-06-28
				Environmental testing Part 2：Tests-Test L：Dust and sand IEC 60068-2-68:1994		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
13、General parameters for polymer material						
1	Plastics	1	Water vapour transmission rate	《Determination of water vapour transmission rate for plastic film and sheeting-Electrolytic detection sensor method》 GB/T 21529-2008		2022-06-28
				《Determination of water vapour transmission rate for plastic-film and sheeting-Infrared detection sensor method》 GB/T 26253-2010		2022-06-28
		2	shrinkage	《Plastics—film and sheeting—Determination of dimensional change on heating》 GB/T 12027-2004		2022-06-28
				《Plastics—film and sheeting—Determination of dimensional change on heating》 ISO 11501:1995		2022-06-28
		3	Luminous transmittance	《Determination of the luminous transmittance and haze of transparent plastics》 GB/T 2410-2008		2022-06-28
		4	haze	《Determination of the luminous transmittance and haze of transparent plastics》 GB/T 2410-2008		2022-06-28
		5	Whiteness Indices	《Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates》 ASTM E 313-2010		2022-06-28
		6	Yellowness Indices	《Standard Practice for Calculating Yellowness and Whiteness Indices from Instrumentally Measured Color Coordinates》 ASTM E 313-2010		2022-06-28
		7	Width	《Plastics-Film and Sheeting-Determination of length and width》 ISO 4592:1992		2022-06-28
		8	Tensile Strength	《Standard Test Method for Tensile Properties of Thin Plastic Sheeting》 ASTM D 882-2012		2022-06-28
		9	Percent Elongation at Break	《Standard Test Method for Tensile Properties of Thin Plastic Sheeting》 ASTM D 882-2012		2022-06-28

The scope of the accreditation in Chinese remains the definitive version.

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		10	thickness	《Plastics film and sheeting-Determination of thickness by mechanical scanning》 GB/T 6672-2001		2022-06-28
				《Plastics-Film and sheeting-Determination of thickness by mechanical scanning》 ISO 4593:1993		2022-06-28
		11	Pell force test	《Test method for peel force of flexible laminated plastics》 GB/T 8808-1988		2022-06-28
		12	water absorption	《Plastics-Determination of water absorption》 GB/T 1034-2008		2022-06-28
				《Plastics Determination of water absorption》 ISO 62:2008		2022-06-28
		13	Flame resistance	《Plastics-Determination of burning characteristics- Horizontal and vertical test》 GB/T 2408-2008 8&9		2022-06-28
					This standard has been invalidated and can only be used in the following standards：T/CPIA0013、0015、0016-2019，GB/T29595-2013	2022-06-28
					This standard	2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
					has been invalidated and can only be used in the following standards：T/CPIA0013、0015、0016-2019，GB/T29595-2013	
		14	Ash	《Plastics.Determination of ash.Part1:General methods》 GB/T 9345.1-2008		2022-06-28
		15	density	《Plastics-Methods for determining the density of non-cellular plastics-Part 1:Immersion method,liquid pyknometer method and titration method》 GB/T 1033.1-2008		2022-06-28
		16	Shear strength	《Fiber-reinforced plastics composites-The generals for determination of properties》 GB/T 1446-2005		2022-06-28
		17	Melt mass flow rate and melt volume flow rate	《Plastics.Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics.Part 1: Standard method》 GB/T 3682.1-2018		2022-06-28
		18	Thermoplastic materials--Determination of vicat softening temperature(VST)	《Plastics--Thermoplastic materials--Determination of vicat softening temperature(VST)》 GB/T 1633-2000 7		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		19	Oxygen index	《Plastics.Determination of burning behaviour by oxygen index.Part 2:Ambient-temperature test》 GB/T 2406.2-2009 8		2022-06-28
		20	Methods of heat aging	《Plastics.Methods of heat aging》 GB/T 7141-2008 8	Except for Method A	2022-06-28
		21	Determination of charpy impact properties	《Plastics.Determination of charpy impact properties.Part 1:Non-instrumented impact test》 GB/T 1043.1-2008 7		2022-06-28
		22	Determination of izod impact strength	《Plastics-Determination of izod impact strength》 GB/T 1843-2008 7		2022-06-28
		23	Determination of hardness	《Plastics.Determination of hardness.Part 2:Rockwell hardness》 GB/T 3398.2-2008 7		2022-06-28
		24	Determination of indentation hardness by means of a durometer(shore hardness)	《Plastics and ebonite.Determination of indentation hardness by means of a durometer(shore hardness)》 GB/T 2411-2008/ISO 868:2003 8		2022-06-28
		25	bending stress	《Plastic.Determination of flexural properties》 GB/T 9341-2008 8		2022-06-28
		26	Bending strain	《Plastic.Determination of flexural properties》 GB/T 9341-2008 8		2022-06-28
		27	Bending modulus	《Plastic.Determination of flexural properties》 GB/T 9341-2008 8		2022-06-28
		28	Tensile stress	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.1-2018 GB/T 1040.2-2022		2023-06-19
		29	Tensile strain	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T		2023-06-19

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
				1040.1-2006 GB/T 1040.2-2022		
		30	Tensile modulus	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.1-2018 GB/T 1040.2-2022		2023-06-19
		31	Poisson ratio	《Plastics.Determination of tensile properties.Part 1:General principles》《Plastics. Determination of tensile properties. Part 2: Test conditions for moulding and extrusion plastics》 GB/T 1040.1-2018 GB/T 1040.2-2022		2023-06-19
2	Plastic	1	Transportable elements	《Determination of antimony, arsenic, barium, cadmium, chromium, lead, mercury and selenium in toy materials inductively coupled plasma atomic emission spectrometry》 GB/T 30419-2013 8		2022-06-28
3	plastics	1	Tensile properties	The determination of the tensile properties of plastics Part 3: film and sheet of test conditions GB/T 1040.3-2006		2022-06-28
		2	the brittleness temperature	Plastics - Determination of the brittleness temperature by impact GB/T 5470-2008	Accredited only for method A	2022-06-28
14、General parameters for insulation material						
1	Insulating materials	1	Breakdown voltage	《Insulating materials-Test methods for electric strength-Part 1:Tests at power frequencies》 GB/T 1408.1-2016		2022-06-28
				《Electrical strength of insulating materials-Test methods-Part 1:Tests at power frequencies》 IEC 60243-1:2013		2022-06-28
		2	Electrical strength	《Insulating materials-Test methods for electric strength-Part 1:Tests at power frequencies》 GB/T 1408.1-2016		2022-06-28
				《Electrical strength of insulating materials-Test methods-Part 1:Tests at power frequencies》 IEC 60243-1:2013		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
		3	volume resistivity	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2022-06-28
		4	surface resistivity	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2022-06-28
		5	volume resistance	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2022-06-28
		6	surface resistance	《Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials》 GB/T 1410-2006		2022-06-28
2	Rubber,vulcanized	1	electrical breakdown strength	《Rubber,vulcanized—Determination of electrical breakdown strength and voltage resistant at commercial power frequency》 GB/T 1695-2005		2022-06-28
		2	voltage resistant	《Rubber,vulcanized—Determination of electrical breakdown strength and voltage resistant at commercial power frequency》 GB/T 1695-2005		2022-06-28
		3	volume resistivity	《Vulcanized rubber-Determination of the insulation resistivity》 GB/T 1692-2008		2022-06-28
3	Solid insulating	1	surface resistivity	Solid insulating materials-Dielectric and resistive properties-Part 3:Resistive properties(DC methods)-Surface resistance and surface resistivity GB/T 31838.3-2019		2022-06-28
		2	surface resistance	Solid insulating materials-Dielectric and resistive properties-Part 3:Resistive properties(DC methods)-Surface resistance and surface resistivity GB/T 31838.3-2019		2022-06-28
		3	Volume resistivity	Solid insulating materials-Dielectric and resistive properties-Part 2：Resistive properties（DC methods）-Volume resistance and volume resistivity GB/T 31838.2-2019		2022-06-28
		4	Volume resistance	Solid insulating materials-Dielectric and resistive properties-Part 3：Resistive properties（DC methods）-Volume resistance and volume resistivity GB/T 31838.2-2019		2022-06-28

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
15、General parameters for raw and auxiliary material with paint film layer						
1	raw and auxiliary material with paint film layer	1	Neutral salt spray resistance test	《Paints and varnishes-Determination of resistance to neutral salt spray》 GB/T 1771-2007		2022-06-28
				《Paints and varnishes-Determination of resistance to neutral salt spray》 ISO 7253:1996		2022-06-28
		2	Cross cut test	《Paints and varnishes-Cross cut test for films》 GB/T 9286-1998	Invalidation Standard，Only for T/CPIA 0031-2021、T/CPIA 0015-2019、CNCA/CTS 0014-2013、GB/T 31034-2014、SJ/T 11722-2018	2022-06-28
		3	Paint film layer hardness	《Paints and varnishes-Determination of film hardness by pencil test》 GB/T 6739-2006		2022-06-28