

Name: National Institute of Measurement and Testing Technology

Address: 160 Meters Northwest of the Intersection of Hewen West Road and the Auxiliary Road of Wenbai Avenue,
Longquanyi District, Chengdu, Sichuan, China

Registration No. CNAS L0893

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

Effective Date: 2025-04-07 Expiry Date: 2030-11-10

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
I Electrical equipment and related products						
1	Performance requirements for table lamps for paper task	1	appearance	Performance requirements for table lamps for paper task GB/T 9473-2022 6.2		2025-04-07
		2	mark	Performance requirements for table lamps for paper task GB/T 9473-2022 6.3		2025-04-07
		3	Light blocking and anti glare properties	Performance requirements for table lamps for paper task GB/T 9473-2022 6.4.1		2025-04-07
		4	Illumination & uniformity of illumination	Performance requirements for table lamps for paper task GB/T 9473-2022 6.4.2		2025-04-07
		5	Color performance	Performance requirements for table lamps for paper task GB/T 9473-2022 6.5		2025-04-07
		6	modulation depth	Performance requirements for table lamps for paper task GB/T 9473-2022 6.6.1		2025-04-07



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		7	power	Performance requirements for table lamps for paper task GB/T 9473-2022 6.7		2025-04-07
		8	power factor	Performance requirements for table lamps for paper task GB/T 9473-2022 6.8		2025-04-07
2	Obtrusive light of LED panels	1	Brightness limits for LED displays	Evaluation requirements for obtrusive light of LED panels GB/T 36101-2018 5.3		2025-04-07
		2	The brightness limit of the LED display when facing the room	Evaluation requirements for obtrusive light of LED panels GB/T 36101-2018 5.4.2		2025-04-07
		3	Vertical illumination of the window surface of a residential building	Evaluation requirements for obtrusive light of LED panels GB/T 36101-2018 5.4.3		2025-04-07
3	Indoor LED displays	1	Visual refresh rate	Evaluation methods for visual comfort of indoor LED displays GB/T 43979-2024 5.1		2025-04-07
		2	Display brightness (ambient illumination)	Evaluation methods for visual comfort of indoor LED displays GB/T 43979-2024 5.2		2025-04-07
		3	Bright room contrast	Evaluation methods for visual comfort of indoor LED displays GB/T 43979-2024 5.3		2025-04-07
		4	Ratio of display to ambient brightness	Evaluation methods for visual comfort of indoor LED displays GB/T 43979-2024 5.4		2025-04-07
		5	The illumination of the screen at the observer's position	Evaluation methods for visual comfort of indoor LED displays GB/T 43979-2024 5.5		2025-04-07
		6	Chromaticity non-uniformity	Evaluation methods for visual comfort of indoor LED displays GB/T 43979-2024 5.6		2025-04-07
4	Urban Road Lighting	1	average road surface luminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07



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		2	overall uniformity of road surface luminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		3	longitudinal uniformity of road surface luminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		4	threshold increment	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		5	average road surface illuminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		6	uniformity of road surface illuminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		7	surround ratio	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		8	minimum road surface illuminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		9	vertical illuminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		10	semicylindrical illuminance	Standard for lighting design of urban road CJJ 45-2015 3,5		2025-04-07
		11	energy-saving standards and measures	Standard for lighting design of urban road CJJ 45-2015 7		2025-04-07
5	Polymer material (environment test)	1	xenon test	Special environmental condition - Environmental test method - Part 3: Artificial environmental test method and guidance - Polymer material GB/T 20643.3-2006 4.2	Only tested: temperature : normal temperature ~55 °C, humidity: ≤	2025-04-07



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		№	Item/ Parameter			
					60% RH, irradiance: $\leq 39\text{W/m}^2$ (wavelength range 300- 400nm), maximum sample size: 5cm × 10cm × 20cm.	
6	electric and electronic products(envir onmental test)	1	Cold Temperature Test	Environmental testing for electric and electronic products Part2:Test methods-Tests A:Cold GB/T 2423.1-2008	Only tested: temperature : -70 °C to room temperature , volume: 1m ³ .	2025-04-07
		2	Heat Temperature Test	Environmental testing for electric and electronic products Part2:Test methods-Tests B:Dry heat GB/T 2423.2-2008	Only measured: temperature : normal temperature ~180 °C, volume: 1m ³ .	2025-04-07
		3	Damp heat, steady state	Environmental testing -Part2:Test methods-Test Cab:Damp heat,steady state GB/T 2423.3-2016	Only tested: temperature	2025-04-07



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		№	Item/ Parameter			
					: -70 °C~180 °C, humidity: 20% RH~98% RH, volume: 1m ³ .	
		4	Humidity Test	Environmental testing for electric and electronic products Part2:Test methods-Tests Db:Damp heat,cyclic GB/T 2423.4-2008	Only tested: temperature : -70 °C~180 °C, humidity: 20% RH~98% RH, volume: 1m ³ .	2025-04-07
		5	Shock Test	Environmental testing—Part 2: Test methods—Test Ea and guidance: Shock GB/T 2423.5-2019	Only test: waveform: half sine wave and back peak sawtooth wave, acceleration: (50~1000) m/s ² ,	2025-04-07



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					Pulse width: (8~17.5) ms, Load: ≤ 100kg.	
		6	Vibration Test	Environmental testing—Part 2:Test methods—Test Fc:Vibration(sinusoidal),Environmental testing—Part 2:Test methods—Test Fh:Vibration, broadband random and guidance GB/T 2423.10-2019	Thrust: ≤ 9.8kN, acceleration: ≤ 1000m/s ² , frequency: (5~2500) Hz, Displacement (p-p): -12.5mm to+12.5mm, load: ≤ 100kg.	2025-04-07
				Environmental testing—Part 2:Test methods—Test Fc:Vibration(sinusoidal),Environmental testing—Part 2:Test methods—Test Fh:Vibration, broadband random and guidance GB/T 2423.56-2023	Thrust: ≤ 9.8kN, acceleration: ≤ 1000m/s ² , frequency: (5~2500)	2025-04-07



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					Hz, Displacement (p-p): -12.5mm to +12.5mm, load: ≤ 100kg.	
		7	Change of Temperature Test	Environmental testing-Part methods Test N:Change of temperature GB/T 2423.22-2012	Only measured: temperature : -70 °C~180 °C, volume: 1m ³ .	2025-04-07
		8	Simulated solar radiation	Environmental testing—Part 2: Test methods—Test S: Simulated solar radiation at ground level and guidance for solar radiation testing and weathering GB/T 2423.24-2022	Only tested: temperature : normal temperature ~55 °C, humidity: ≤ 60% RH, irradiance: ≤ 39W/m ² (wavelength range 300-400nm), maximum sample	2025-04-07



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					size: 5cm × 10cm × 20cm.	
7	Specialized equipment (environmental test)	1	Simulated solar radiation	Laboratory environmental test methods for military material-part 7: Solar radiation test GJB 150.7A-2009	Only tested: temperature : normal temperature ~55 °C, humidity: ≤ 60% RH, irradiance: ≤ 39W/m ² (wavelength range 300-400nm), maximum sample size: 5cm × 10cm × 20cm.	2025-04-07
8	Optics and optical instrument (environmental test)	1	Solar radiation	Optics and photonics—Environmental test methods—Part 9: Solar radiation and weathering GB/T 12085.9-2022	Only tested: temperature : normal temperature ~55 °C, humidity: ≤ 60% RH, irradiance:	2025-04-07



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		№	Item/ Parameter			
					$\leq 39\text{W/m}^2$ (wavelength range 300-400nm), maximum sample size: 5cm × 10cm × 20cm.	
II Electromagnetic compatibility						
1	General electrical and electronic products (EMS)	1	radio-frequency electromagnetic field immunity test	Electromagnetic compatibility (EMC) - Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test IEC 61000-4-3:2020 8	/	2025-04-07
		2	Immunity to conducted disturbances, induced by radio-frequency fields	Electromagnetic compatibility (EMC) - Part 4-6: Testing and measurement techniques - Immunity to conducted disturbances, induced by radio-frequency fields IEC 61000-4-6:2023 8	/	2025-04-07
		3	Power frequency magnetic field immunity	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test IEC 61000-4-8:2009 8	Except for 3s、1000A/m magnetic field immunity test	2025-04-07
2	Industrial, scientific and	1	conducted Emission	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement	/	2025-04-07



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		№	Item/ Parameter			
	medical equipment Railway applications Rolling stock Apparatus			CISPR 11:2024 7		
		2	conducted Emission	Information technology equipment, multimedia equipment and receivers - Electromagnetic compatibility - Part 1: Transmission requirements GB/T 9254.1-2021 6	/	2025-04-07
		3	conducted Emission	Rail applications-Electronic equipment used on rolling stock GB/T 25119-2021 12.2.9	/	2025-04-07
		4	Radiated Emission	Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement CISPR 11:2024 7	/	2025-04-07
		5	Radiated Emission	Information technology equipment, multimedia equipment and receivers - Electromagnetic compatibility - Part 1: Transmission requirements GB/T 9254.1-2021 6	/	2025-04-07
		6	Radiated Emission	Rail applications-Electronic equipment used on rolling stock GB/T 25119-2021 12.2.9	/	2025-04-07
3	anechoic chamber	1	NSA	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements GB/T 6113.104-2021 6	/	2025-04-07
		2	VSWR	Specification for radio disturbance and immunity measuring apparatus and methods - Part 1-4: Radio disturbance and immunity measuring apparatus - Antennas and test sites for radiated disturbance measurements GB/T 6113.104-2021 7	/	2025-04-07
		3	FU	Electromagnetic compatibility (EMC) - Part 4-3 : Testing and measurement techniques - Radiated, radio-frequency, electromagnetic field immunity test IEC 61000-4-3:2020 6	/	2025-04-07
		4	SE	Anechoic chambers. Shield attenuation measurement GB/T12190-2021 5	/	2025-04-07
4	shielding enclosures	1	SE	Method for measuring the shielding effectiveness of shielding enclosures having all dimensions between 0.1 m and 2 m GB/T	Not measuring	2025-04-07



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				39278-2020 6	Clause number 7	
5	shielding room	1	SE	Anechoic chambers. Shield attenuation measurement GB/T12190-2021 5.6,5.7,5.8		2025-04-07
III Materials						
1	Solid matter (specific surface area and porosity test)	1	Specific surface area of solid matter	Determination of the specific surface area of solids by gas adsorption using the BET method GB/T 19587-2017	Excepted:6.3.3, 6.3.4	2025-04-07
		2	Specific surface area of rare earth compounds	Test method of physical characters of rare earth metals and compounds—Determination on specific surface area of rare earth compounds GB/T 20170.2-2006		2025-04-07
2	Material testing (thermogravimetric analysis)	1	loss and residue	Standard test method of mass loss and residue measurement validation of thermogravimetric analyzers GB/T27761-2011		2025-04-07
		2	evaporation rate	Test method for volatility rate by thermogravimetry GB/T 31229-2014		2025-04-07
		3	Saturated vapor pressure	Determination of vapor pressure of chemical products—Thermogravimetry method GB/T 35930-2018		2025-04-07
		4	Combustion characteristics of coal	Testing method of combustion characteristics of coal—thermogravimetric analysis GB/T 33304-2016		2025-04-07
3	Rubber and rubber products	1	Rubber and rubber products component content	Rubber and rubber products - Determination of composition of vulcanized and vulcanized rubber by thermogravimetry - Part 1: butadiene rubber, ethylene propylene binary and ternary copolymers, isobutylene isoprene rubber, isoprene rubber, styrene butadiene rubber GB/T 14837.1-2014		2025-04-07
		2	Rubber and rubber products component content	Rubber and rubber products - Determination of composition of vulcanized and vulcanized rubber by thermogravimetry - Part 2: acrylonitrile butadiene rubber and halogenated rubber GB/T 14837.2-2014		2025-04-07



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		3	Rubber and rubber products component content	Rubber and rubber products—Determination of the composition of vulcanizates and uncured compounds by thermogravimetry—Part 3:Hydrocarbon rubbers, halogenated rubbers and polysiloxane rubbers after extraction GB/T 14837.3-2018		2025-04-07
		4	Rubber, vulcanized or thermoplastic - ageing and heat resistance tests	Rubber, vulcanized or thermoplastic - Accelerated ageing and heat resistance tests—Air-oven method GB/T 3512-2014		2025-04-07
		5	Service life and maximum service temperature of vulcanized rubber or thermoplastic rubber	Rubber,vulcanized or thermoplastic -Estimation of life-time and maximum temperature of use from an Arrhenius plot GB/T 20028-2005		2025-04-07
		6	Rubber Determination of ash	Rubber—Determination of ash—Part 2: Thermogravimetric analysis GB/T 4498.2-2017		2025-04-07
		7	Glass transition temperature of raw rubber	Rubber,raw—Determination of the glass transition temperature—Differential scanning calorimetry(DSC) GB/T 29611-2013		2025-04-07
4	Carbon nanotubes	1	Oxidation temperature and ash content of carbon nanotubes	Thermo gravimetric analysis (TGA) for determination of oxidation temperature and ash content of cardon nanotubes GB/T 29189-2012		2025-04-07
		2	Thermogravimetric characterization	Nanotechnologies — Characterization of single-wall carbon nanotubes using thermogravimetric analysis GB/T 32868-2016		2025-04-07
		3	Amorphous carbon content	Nanotechnologies—Multi-walled carbon nanotubes—Determination of amorphous carbon content by thermogravimetric analysis GB/T 34916-2017		2025-04-07



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		4	Amorphous carbon, ash and volatile matter	Nanotechnologies—Analysis of amorphous carbon, ash and volatile of carbon nanotubes—Thermogravimetry GB/T 36065-2018		2025-04-07
5	Plastic polymers (thermal analysis)	1	Thermogravimetric analysis of plastic polymers	Plastics—Thermogravimetry (TG) of polymers—Part1:General principles GB/T 33047.1-2016		2025-04-07
		2	Cable and optical cable insulation	Common test methods for insulating and sheathing materials of electric and optical cables-Part 41:Methods specific to polyethylene and polypropylene compounds-Resistance to environmental stress cracking-Measurement of the melt flow index-Carbon black and/or mineral filler content measurment in polyethylene by direct combustion-Measurement of carbon black content by thermogravimetric analysis(TGA) GB/T 2951.41-2008 12		2025-04-07
		3	Determination of starch content	Determination of starch content of starch based plastics Thermogravimetry(TG) QB/T 2957-2008		2025-04-07
		4	Vinyl acetate content	PV modules using ethylene - vinyl acetate copolymer, vinyl acetate content test method Thermogravimetric Analysis (TGA) GB/T 31984-2015		2025-04-07
		5	Plastic	Plastics—Differential scanning calorimetry(DSC)—Part 1:General principles GB/T 19466.1-2004		2025-04-07
		6	Glass transition temperature of plastics	Plastics—Differential scanning calorimetry(DSC)—Part 2:Determination of glass transition temperature GB/T 19466.2-2004		2025-04-07
		7	Melting and crystallization temperature and enthalpy of plastics	Plastics—Differential scanning calorimetry (DSC)—Part 3:Determination of temperature and enthalpy of melting and crystalliation GB/T 19466.3-2004		2025-04-07
		8	Specific heat capacity of plastics	Plastics—Differential scanning calorimetry(DSC)—Part 4:Determination of specific heat capacity GBT 19466.4-2016		2025-04-07



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		9	Oxidation induction time and temperature of plastics	Plastics—Differential scanning calorimetry(DSC)—Part 6:Determination of oxidation induction time(isothermal OIT)and oxidation induction temperature(dynamic OIT) GB/T 19466.6-2009		2025-04-07
6	Dielectric materials (electromagnetic properties)	1	Permeability	Measurement method for permeability of feebly magnetic materials GJB 937-90		2025-04-07
				Test methods for permittivity and permeability of microwave high loss solid materials SJ 20512-1995		2025-04-07
		2	Complex permittivity	Test method for complex permittivity of solid dielectrics materials at microwave frequencies GB 5597-1999		2025-04-07
				Test methods for permittivity and permeability of microwave high loss solid materials SJ 20512-1995		2025-04-07
				Stripline test method for complex permittivity of microwave dielectric substrates GB/T 12636-1990		2025-04-07
				Test methods for microwave complex permittivity of dielectric materials coaxial line terminal open circuit method SJ/T10142~10143-1991		2025-04-07
7	Material testing (microscopic analysis)	3	Insulation resistivity	Vulcanized rubber- Determination of insulation resistivity GB/T 1692-2008		2025-04-07
		1	nanometer-scale length	General rules for nanometer-scale length measurement by SEM GB/T 20307-2006		2025-04-07
		2	length in micron scale	General rules for measurement of length in micron scale by SEM GB/T 16594-2008		2025-04-07
		3	Microstructure	General rules of analytical methods for scanning electron microscope JY/T 0584-2020		2025-04-07
		4	Granularity	General rules of analytical methods for scanning electron microscope JY/T 0584-2020		2025-04-07
		5	Micro element analysis	General rules of analytical methods for scanning electron microscope JY/T 0584-2020		2025-04-07



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8	Nano geometric standard samples	1	Line spacing	Testing method for nano geometric standard samples GB/T 43915-2024		2025-04-07
		2	Line width	Testing method for nano geometric standard samples GB/T 43915-2024		2025-04-07
		3	Film thickness	Testing method for nano geometric standard samples GB/T 43915-2024		2025-04-07
9	Micro nano	1	Line spacing	Micro nano standard samples(geometric) GB/T 39516-2020		2025-04-07
		2	Line width	Micro nano standard samples(geometric) GB/T 39516-2020		2025-04-07
		3	Film thickness	Micro nano standard samples(geometric) GB/T 39516-2020		2025-04-07
10	Nanoporous materials-	1	Hydrogen storage capacity	Nanotechnology-Measurement of the hydrogen storage capacity of nanoporous materials-Gas absorption method GB/T 44007-2024		2025-04-07
V Software products						
1	Application Software (General application software)	1	Functionality	Systems and software engineering-Systems and software Quality Requirements and Evaluation(SQuaRE)-part 51:Requirements for quality of Ready to Use Software Produce(RUSP) and instructions for testing GB/T 25000.51-2016 5.3.1		2025-04-07
		2	Reliability	Systems and software engineering-Systems and software Quality Requirements and Evaluation(SQuaRE)-part 51:Requirements for quality of Ready to Use Software Produce(RUSP) and instructions for testing GB/T 25000.51-2016 5.3.5		2025-04-07
		3	Information security	Systems and software engineering-Systems and software Quality Requirements and Evaluation(SQuaRE)-part 51:Requirements for quality of Ready to Use Software Produce(RUSP) and instructions for testing GB/T 25000.51-2016 5.3.6		2025-04-07
	Application software	1	Static analysis	Military software testing guide GJB/Z 141-2004 A.1.3		2025-04-07



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		№	Item/ Parameter			
	(Domain specific application software)	2	Functional testing	Military software testing guide GJB/Z 141-2004 7.4.2、 7.4.16		2025-04-07
		3	Performance testing	Military software testing guide GJB/Z 141-2004 7.4.3、 7.4.6、 7.4.7		2025-04-07
		4	Interface testing	Military software testing guide GJB/Z 141-2004 7.4.4、 7.4.9		2025-04-07



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