

Name: National Institute of Measurement and Testing Technology

Address: No.100, Qingyun Road, Dayi, Chengdu, Sichuan, China

Registration No. CNAS L0893

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

Effective Date: 2023-01-18 Expiry Date: 2024-11-10

SCHEDULE 3 ACCREDITED TESTING SCOPE

№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
		№	Item/ Parameter			
I Measuring instrument						
1	Load Cell	1	Load cell error	Load Cells GB/T 7551-2008 8.2.1		2023-01-18
		2	Repeatability	Load Cells GB/T 7551-2008 8.2.1.15		2023-01-18
		3	Temperature effect on minimum dead load output	Load Cells GB/T 7551-2008 8.2.1.16		2023-01-18
		4	Creep	Load Cells GB/T 7551-2008 8.2.2		2023-01-18
2	Dynamometers	1	Reproducibility relative error	Calibration of force-proving instruments used for the verification of testing machines GB/T 13634-2019 ISO 376: 2011 7.5.1		2023-01-18
		2	Repeatability relative error	Calibration of force-proving instruments used for the verification of testing machines GB/T 13634-2019 ISO 376: 2011 7.5.1		2023-01-18
		3	Relative error interpolation	Calibration of force-proving instruments used for the verification of testing machines GB/T 13634-2019 ISO 376: 2011 7.5.2		2023-01-18



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		4	Error between forward and backward in indicating value	Calibration of force-proving instruments used for the verification of testing machines GB/T 13634-2019 ISO 376: 2011 7.5.4		2023-01-18
		5	Zero relative error	Calibration of force-proving instruments used for the verification of testing machines GB/T 13634-2019 ISO 376: 2011 7.5.3		2023-01-18
3	Loudspeaker	1	distortion	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 24.1		2023-01-18
		2	soundpressure	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 20.1		2023-01-18
		3	impedance	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 16.1		2023-01-18
		4	power	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 18.1		2023-01-18
		5	response	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 21.1		2023-01-18
		6	directivity	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 23.3		2023-01-18
4	digital photogrammetry 3D coordinate measuring system	1	Repeatability of coordinate measurement	Geometrical Product Specifications (GPS) . Acceptance and reverification test for digital photogrammetry 3D coordinate measuring system GB/T 34890-2017 GB/T 34890-2017 6.2		2023-01-18
		2	Size error	Geometrical Product Specifications (GPS) . Acceptance and reverification test for digital photogrammetry 3D coordinate measuring system GB/T 34890-2017 GB/T 34890-2017 6.3		2023-01-18
		3	Length calibration of scale	Geometrical Product Specifications (GPS) . Acceptance and reverification test for digital photogrammetry 3D coordinate measuring system GB/T 34890-2017 GB/T 34890-2017 6.4		2023-01-18
5	Measuring wheels	1	indication error	Measuring wheels QB/T 4942-2016 6.4		2023-01-18



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II Construction works and building materials						
1	Pot bearings for highway bridges	1	Vertical bearing capacity	Pot bearings for highway bridges JT/T 391-2019 Appendix A		2023-01-18
				GB/T 20688.4-2007 Appendix B.3.1		2023-01-18
		2	friction coefficient	JT/T 391-2019 Appendix C		2023-01-18
				GB/T 20688.4-2007 Appendix B.3.2		2023-01-18
		3	roation capability	JT/T 391-2019 Appendix D		2023-01-18
GB/T 20688.4-2007 Appendix B.3.3				2023-01-18		
2	Pot bearings for railway bridges	1	Vertical bearing capacity	Rubber bearings for railway bridge TB/T 2331-2020 5.1、Appendix E		2023-01-18
				GB/T 20688.4-2007 Appendix B.3.1		2023-01-18
		2	friction coefficient	TB/T 2331-2020 Appendix F		2023-01-18
				GB/T 20688.4-2007 Appendix B.3.2		2023-01-18
		3	roation capability	TB/T 2331-2020 Appendix G		2023-01-18
				GB/T 20688.4-2007 Appendix B.3.3		2023-01-18
3	Plate type elastomeric pad bearings for highway bridges	1	Compressive modulus of elasticity	Plate type elastomeric pad bearings for highway bridges JT/T 4-2019 Appendix A 4.1		2023-01-18
				GB/T 20688.4-2007 Appendix A.5.1		2023-01-18
		2	Ultimate compressive	Plate type elastomeric pad bearings for highway bridges JT/T 4-2019 Appendix A 4.7		2023-01-18



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			strength	GB/T 20688.4-2007 Appendix A.5.6		2023-01-18
		3	shear modulus of elasticity	JT/T 4-2019 Appendix A.4.2		2023-01-18
				GB/T 20688.4-2007 Appendix A.5.2		2023-01-18
		4	shear bond properties	JT/T 4-2019 Appendix A.4.3		2023-01-18
		5	friction coefficient	JT/T 4-2019 Appendix A.4.5		2023-01-18
				GB/T 20688.4-2007 Appendix A.5.4		2023-01-18
6	rotation capability	JT/T 4-2019 Appendix A.4.6		2023-01-18		
		GB/T 20688.4-2007 Appendix A.5.5		2023-01-18		
4	Spherical bearings for bridges	1	Vertical bearing capacity	Spherical bearings for bridges GB/T 17955-2009 4.1.1 Appendix A		2023-01-18
				T/BT 3320-2013 Appendix C		2023-01-18
		2	friction coefficient	GB/T 17955-2009 Appendix C		2023-01-18
				T/BT 3320-2013 Appendix D		2023-01-18
		3	rotation capability	GB/T 17955-2009 Appendix D		2023-01-18
				T/BT 3320-2013 Appendix E		2023-01-18
5	Plate type elastomeric pad bearings	1	Compressive modulus of elasticity	TB/T 2331-2020 Appendix D.3.1		2023-01-18
				GB/T 20688.4-2007 Appendix A.5.1		2023-01-18



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	for railway bridges	2	Compressive modulus of elasticity	TB/T 2331-2020 Appendix D.3.1		2023-01-18
				GB/T 20688.4-2007 Appendix A.5.1		2023-01-18
		3	shear modulus of elasticity	TB/T 2331-2020 Appendix D.3.2		2023-01-18
				GB/T 20688.4-2007 Appendix A.5.2		2023-01-18
		4	shear bond properties	TB/T 2331-2020 Appendix D.3.3		2023-01-18
		5	ultimate compressive strength	TB/T 2331-2020 Appendix D.3.6		2023-01-18
GB/T 20688.4-2007 Appendix A.5.6				2023-01-18		
6	Elastomeric seismic-protection isolators for bridges	1	compressive properties	GB/T 20688.1-2007 6.3.1		2023-01-18
				GB/T 20688.2-2006 6.3.2		2023-01-18
7	Elastomeric seismic-protection isolators for buildings	1	compressive properties	JG/T 118-2018 7.4.1、7.4.2		2023-01-18
				GB/T 20688.3-2006 6.3.2		2023-01-18
		2	vertical ultimate compressive stress	JG/T 118-2018 7.4.3		2023-01-18
8	Lead rubber bearing isolators for highway bridge	1	vertical stiffness	JT/T 822-2011 7.4.1		2023-01-18
		2	compression deformation	JT/T 822-2011 7.4.2		2023-01-18
9	High damping seismic	1	vertical compression stiffness	JT/T 842-2012 6.6.1		2023-01-18



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	isolation rubber bearing	2	compression deformation	JT/T 842-2012 6.6.2		2023-01-18
10	oil and gas engineering	1	3D modle	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.4		2023-01-18
		2	plan、3D surface、section	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.5		2023-01-18
		3	deformed figure	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.6		2023-01-18
		4	capacity figure	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.7		2023-01-18
III Electromagnetic compatibility						
1	electrical equipment	1	radio-frequencyelectroma gnetic field immunity test	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test GB/T17626.3-2016 8.2		2023-01-18
				Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test IEC61000-4-3-2010 8.2		2023-01-18
		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 GB/T17626.6-2017 8.3		2023-01-18
				Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields IEC61000-4-6-2013 8.3		2023-01-18
		3	Power frequency magnetic field immunity	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test GB/T17626.8-2006 8.2		2023-01-18



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				Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test IEC61000-4-8-2009 8.2		2023-01-18
2	Industrial, scientific and medical equipment Rail way applications Rolling stock Apparatus	1	conducted Emission	industrial.scientific and medical(ISM)radio-frequency equipment-Electromagnetic disturbance characteristics-limits and methods of measurement GB 4824-2019 9.5		2023-01-18
				Information technology equipment,multimedia equipment and receivers—Electromagnetic compatibility—Part 1:Emission requirements GB/T 9254.1-2021 6		2023-01-18
				Railway applications — Electronicequipment used on rail vehicles GB/T 25119-2021 12.2.9		2023-01-18
		2	Radiated Emission	industrial.scientific and medical(ISM)radio-frequency equipment-Electromagnetic disturbance characteristics-limits and methods of measurement GB 4824-2019 9.5		2023-01-18
				Information technology equipment,multimedia equipment and receivers—Electromagnetic compatibility—Part 1:Emission requirements GB/T 9254.1-2021 6		2023-01-18
				Railway applications — Electronicequipment used on rail vehicles GB/T 25119-2021 12.2.9		2023-01-18
3	Radiated Emission	industrial.scientific and medical(ISM)radio-frequency equipment-Electromagnetic disturbance characteristics-limits and methods of measurement CISPR11-2016 10.5		2023-01-18		
3	anechoic chamber	1	NSA	Information technology equipment,multimedia equipment and receivers—Electromagnetic compatibility—Part 1:Emission requirements GB/T 9254.1-2021 6		2023-01-18
		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		2023-01-18



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4	Electronic Measurement Instrument (EMS)	3	FU	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 CISPR16-1-4:2020 7.3		2023-01-18
				Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test GB17626.3-2016 6.2		2023-01-18
				Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test IEC61000-4-3:2010 6.2		2023-01-18
		4	SE	Anechoic chambers. Shield attenuation measurement GB/T12190-2021 5.6,5.7,5.8		2023-01-18
		1	radio-frequencyelectromagnetic field immunity test	Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test GB/T17626.3-2016 8.2		2023-01-18
				Electromagnetic compatibility (EMC) – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test IEC61000-4-3-2006 8.2		2023-01-18
				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 GB/T17626.6-2017 8.3
Electromagnetic compatibility (EMC) – Part 4-6: Testing and measurement techniques – Immunity to conducted disturbances, induced by radio-frequency fields IEC61000-4-6-2013 8.3		2023-01-18				
3	Power frequency magnetic field immunity	Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test GB/T17626.8-2006		2023-01-18		



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				8.2		
				Electromagnetic compatibility (EMC) - Part 4-8: Testing and measurement techniques - Power frequency magnetic field immunity test IEC61000-4-8-2009 8.2		2023-01-18



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