

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: 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 Measuring instrument						
1	Load Cell	1	Load cell error	Load Cells GB/T 7551-2008 8.2.1		2025-04-07
		2	Repeatability	Load Cells GB/T 7551-2008 8.2.1.15		2025-04-07
		3	Temperature effect on minimum dead load output	Load Cells GB/T 7551-2008 8.2.1.16		2025-04-07
		4	Creep	Load Cells GB/T 7551-2008 8.2.2		2025-04-07
2	Loudspeaker	1	Distortion	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 24.1		2025-04-07
		2	sound pressure	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 20.1		2025-04-07
		3	impedance	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 16.1		2025-04-07



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№	Test Object	Item/Parameter		Standard or Method	Note	Effective Date
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		4	power	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 18.1		2025-04-07
		5	response	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 21.1		2025-04-07
		6	directivity	Sound system equipment-Part5:Methods of measurement for main characteristics of loudspeakers GB/T 12060.5-2011 23.3		2025-04-07
3	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		2025-04-07
		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		2025-04-07
		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		2025-04-07
4	Measuring wheels	1	indication error	Measuring wheels QB/T 4942-2016 6.4		2025-04-07
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		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix E.3.1		2025-04-07
		2	friction coefficient	JT/T 391-2019 Appendix C		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix E.3.3		2025-04-07
		3	rotation capability	JT/T 391-2019 Appendix D		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix E.3.4		2025-04-07



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		№	Item/ Parameter			
2	Pot bearings for railway bridges	1	Vertical bearing capacity	Rubber bearings for railway bridge TB/T 2331-2020 5.1、Appendix E		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix E.3.1		2025-04-07
		2	friction coefficient	TB/T 2331-2020 Appendix F		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix E.3.3		2025-04-07
		3	roation capability	TB/T 2331-2020 Appendix G		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix E.3.4		2025-04-07
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		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix D.3.1		2025-04-07
		2	Ultimate compressive strength	Plate type elastomeric pad bearings for highway bridges JT/T 4-2019 Appendix A 4.7		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix D.3.7		2025-04-07
		3	shear modulus of elasticity	JT/T 4-2019 Appendix A.4.2		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix D.3.2		2025-04-07
		4	shear bond properties	JT/T 4-2019 Appendix A.4.3		2025-04-07
		5	friction coefficient	JT/T 4-2019 Appendix A.4.5		2025-04-07
				Rubber bearings-Part 4:Normal rubber bearings GB/T 20688.4-2023 Appendix D.3.5		2025-04-07



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		6	roation capability	JT/T 4-2019 Appendix A.4.6 Rubber bearings-Part 4:Normal rubbber bearings GB/T 20688.4-2023 Appendix D.3.6		2025-04-07
4	Spherical bearings for bridges	1	Vertical bearing capacity	Spherical bearings for bridges GB/T 17955-2009 4.1.1 Appendix A		2025-04-07
				T/BT 3320-2013 Appendix C		2025-04-07
		2	friction coefficient	GB/T 17955-2009 Appendix C		2025-04-07
				T/BT 3320-2013 Appendix D		2025-04-07
		3	roation capability	GB/T 17955-2009 Appendix D		2025-04-07
				T/BT 3320-2013 Appendix E		2025-04-07
5	Plate type elastomeric pad bearings for railway bridges	1	Compressive modulus of elasticity	TB/T 2331-2020 Appendix D.3.1		2025-04-07
				Rubber bearings-Part 4:Normal rubbber bearings GB/T 20688.4-2023 Appendix D.3.1		2025-04-07
		2	shear modulus of elasticity	TB/T 2331-2020 Appendix D.3.2		2025-04-07
				Rubber bearings-Part 4:Normal rubbber bearings GB/T 20688.4-2023 Appendix D.3.2		2025-04-07
		3	shear bond properties	TB/T 2331-2020 Appendix D.3.3		2025-04-07
		4	ultimate compressive strength	TB/T 2331-2020 Appendix D.3.6		2025-04-07
	Elastomeric	1	compressive	GB/T 20688.1-2007 6.3.1		2025-04-07

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	seismic-protection isolators for bridges		properties	GB/T 20688.2-2006 6.3.2		2025-04-07
7	Elastomeric seismic-protection isolators for buildings	1	compressive properties	JG/T 118-2018 7.4.1、7.4.2		2025-04-07
				GB/T 20688.3-2006 6.3.2		2025-04-07
		2	vertical ultimate compressive stress	JG/T 118-2018 7.4.3		2025-04-07
8	Lead rubber bearing isolators for highway bridge	1	vertical stiffness	JT/T 822-2011 7.4.1		2025-04-07
		2	compression deformation	JT/T 822-2011 7.4.2		2025-04-07
9	High damping seismic isolation rubber bearing	1	vertical compression stiffness	JT/T 842-2012 6.6.1		2025-04-07
		2	compression deformation	JT/T 842-2012 6.6.2		2025-04-07
10	oil and gas engineering	1	3D model	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.4		2025-04-07
		2	plan、3D surface、section	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.5		2025-04-07
		3	deformed figure	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.6		2025-04-07
		4	capacity figure	Code of terrestrial 3D laser scanning survey for oil and gas engineering SY/T 7346-2016 7.7		2025-04-07
Ⅲ Mechanical Products						
1	Rails and fastening systems	1	Ultrasonic testing	rails —Part 1:43kg/m~75kg/m 钢轨 TB/T 2344.1-2020		2025-04-07

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		№	Item/ Parameter			
				Method of the ultrasonic testing for rails YB/T 951-2014		2025-04-07
		2	Crack magnetic detection	Non-destructive testing—Magnetic particle testing—Part 1:General principles GB/T15822.1-2005		2025-04-07
		3	Type size inspection	Test methods for fastening systems of high-speed railway—Part 2:Determination for clamping force TB/T 3395.2-2015 6.1.1		2025-04-07
				Type I fastening system TB/T1495-2020 7.1.1		2025-04-07
		4	Determination of longitudinal rail restraint	Test methods for fastening systems of high-speed railway—Part 1:Determination of longitudinal rail restraint TB/T3396.1-2015 3 4 5 6 7 8		2025-04-07
		5	Determination for clamping force	Test methods for fastening systems of high-speed railway — Part 2:Determination for clamping force TB/T3396.2-2015 3 4 5 6 7 8		2025-04-07
		6	Determination of static stiffness for fastening assembly	Test methods for fastening systems of high-speed railway——Part 3:Determination of static stiffness for fastening assembly TB/T3396.3-2015 3 4 5 6 7		2025-04-07
		7	Test of fatigue performance of fastening assembly	Test methods for fastening systems of high-speed railway—Part 4:Test of fatigue performance of fastening assembly TB/T3396.4-2015 4 5 6 7 8 9 10 11		2025-04-07
		8	Vertical load test for cast-in fastening components	Test methods for fastening systems of high-speed railway—Part 7:Vertical load test for cast-in fastening components TB/T3396.7-2015 2 3 4 5 6		2025-04-07
2	rubber tie-plate	1	Appearance	Fastening system for high-speed railway Part2: Tpye IV fastening system TB/T 3395.2-2015 6.4.2		2025-04-07
3	spring clip fastening systems	1	Residual deformation	Type I fastening system TB/T 1495-2020 7.1.7	Accredited only for load range 5kN~280kN	2025-04-07



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				Fastening system for high-speed railway Part2: Tpye IV fastening system TB/T 3395.2-2015 Appendix B	Accredited only for load range 5kN~280kN	2025-04-07
		2	Clamping force	Type I fastening system TB/T 1495-2020 7.1.8	Accredited only for load range 5kN~280kN	2025-04-07
				Fastening system for high-speed railway Part2: Tpye IV fastening system TB/T 3395.2-2015 Appendix A	Accredited only for maximum load $\leq 100\text{kN}$	2025-04-07
		3	Fatigue properties	Type I fastening system TB/T 1495-2020 7.1.9	Accredited only for load range 5kN~280kN	2025-04-07
				Fastening system for high-speed railway Part2: Tpye IV fastening system TB/T 3395.2-2015 Appendix C	Accredited only for load range 5kN~280kN	2025-04-07
4	floating plate detection	1	Damping effect	Technical code for floating slab track CJJ/T 191-2012 Appendix A	Accredited only for frequency not exceeding	2025-04-07



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					100Hz	
		2	Fatigue life verification	Helical spring fatigue testing standard GB/T 16947-2009	Accredited only for load range 5kN~280k N, Except for reliability evaluation	2025-04-07
		3	Appearance quality	Floating slab rubber isolator for urban railway traffic CJ/T 285-2008 5.1		2025-04-07
				Rubber spring isolator for floating slab of urban rail transit GB/T 41492-2022 6.3		2025-04-07
V Materials						
1	underwater acoustical material		absorption coefficient	Acoustics-Measurement methods of insertion loss,echo reduction and sound asorption coefficient for underwater acoustical material samples GB/T 14369-2011		2025-04-07
		1	echo reduction	Acoustics-Measurement methods of insertion loss,echo reduction and sound asorption coefficient for underwater acoustical material samples GB/T 14369-2011 6.3.1.1		2025-04-07
		2	insertion loss	Acoustics-Measurement methods of insertion loss,echo reduction and sound asorption coefficient for underwater acoustical material samples GB/T 14369-2011 6.3.1.2		2025-04-07



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