



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SMITHERS
Smithers Rapra (Suzhou) Testing Co., Ltd.
Building F, 45 Chunxing Road, Phase II Plainvim Industry Park,
Xiangcheng Economic and Technical Development Zone,
Jiangsu, People’s Republic of China 215143
Mr. Henry He Phone: +86 512 6253 5569
Email: hhe@smithers.com

MECHANICAL

Valid To: November 30, 2025

Certificate Number: 0363.05

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of tests on vehicles and automotive components and systems, and rubber products:

<u>Test:</u>	<u>Test Methods:</u>
Durability and Endurance Testing	
Tire Endurance	FMVSS 109, 119, 139; CMVSS 109, 119, 139; SAE J918C; ASTM F551; UNECE R30, R54, R108, R109; CETP 04.04-E-3281; GB/T 4501, 4502; GSO 53, 646; INMETRO N° 379
Tire High Speed Durability	FMVSS 109, 119, 139; CMVSS 109, 119, 139; SAE J918C, J1561; ASTM F551; GB/T 4501, 4502; GSO 53, 1784
Tire Plunger Energy	FMVSS 109, 119, 139; CMVSS 109, 119, 139; ASTM F414; SAE J918C; GB/T 4501, 4502; GSO 53, 646, 647
Tire Bead Push-Off	FMVSS 109, 139; CMVSS 109, 139; SAE J918C; GB/T 4502; GSO 53
Wheel Fatigue (Radial, Cornering)	SAE J267, J1204, J328, J2530; GB/T 5334, 5909; UNECE R124
Oven Aging	CETP 04.04-E-300; DTAP; GB/T 37259; ASTM F2838; CVTC 33036
Wheel Impact	SAE J175, SAE J2530; GB/T 15704; UNECE R124
Performance Testing	
Air Permeation	ASTM F1112; GMW15000; CVTC 33222
Tire Physical Characteristics and Dimensions	FMVSS 109, 119, 139; CMVSS 109, 119, 139; ASTM F1502; UNECE R30, R54, R108, R109; GMW14997, 14998, 15004; GB/T 521; GSO 53, 646; INMETRO N° 379
Rolling Resistance	SAE J1269, J2452; ISO 18164, 28580; GMW14996; UNECE R117; GB/T 29040
Tire Revolutions per Kilometer (RPK)	GMW14999; ISO 17269

Parameter¹:	Reference Standard(s):
Temperature/Humidity ¹ (-60 to 180) °C (20 to 98) % RH	SAE J2044, Sec. 7.6.1
Temperature Cycling ¹ (-60 to 180) °C	ESDG93-8260-AA, Sec. 3.15; SAE J2044 Sec. 7.5; PF-90080
Multi-Axial Vibration Testing ¹ , Electrodynamic or Servohydraulic (with or without temperature) Frequency – Up to 2,000 Hz Acceleration – Up to 20 G Electrodynamic Displacement – 50 mm Peak-to-Peak Servohydraulic Displacement – 100 mm Peak-to-Peak	ESDG93-8260-AA, Sec. 3.15; SAE J2044, Sec. 7.5.2/3/4; GMW14785; PF 90080, Sec. 9.3
Pressure/Burst ¹ Up to 8,700 psi (60 Mpa)	ASTM D380, Sec. 16; SAE J2044, Sec. 7.6.1e; PF90080, Sec. 7.4
Pressure Cycling ¹ Up to 1,450 psi (10,000 kPa)	ESDG93-8260-AA, Sec. 3.19; SAE J2044, Sec. 7.5.5
Air Pressure ¹ Up to 72.5 psi (500 kPa)	ESDG93-8260-AA, Sec. 3.16; SAE J2044, Sec. 6.1.1
Vacuum Pressure ¹ Up to -98 kPa (-29 In Hg)	ESDG93-8260-AA, Sec. 3.15; SAE J2044, Sec. 6.1.5; PF90080, Sec. 7.3
Static Force ¹ Up to 1,980 lbs. (8,809 N) Optional Heat Only Conditioning	SAE J2044, Section 6.2
Cleanliness ¹ (70 to 3000) µm	VDA19

¹Also using customer supplied and industry specifications directly related to the test technologies and parameters listed above to perform tests on military, aerospace, automotive, medical, commercial, metals, plastics, rubber, electrical/electronic products and/or assemblies.



Accredited Laboratory

A2LA has accredited

SMITHERS

Jiangsu, People's Republic of China

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 6th day of December 2023.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0363.05
Valid to November 30, 2025

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.