



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SMITHERS
Ravenna Laboratory
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Ravenna, OH 44266
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MECHANICAL

Valid To: March 31, 2022

Certificate Number: 0363.03

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

Test:

Durability and Endurance Testing

Tire Endurance

Test Method:

ASTM F551; CMVSS -109, -119, -139;
NOM -016, -086;
FMVSS -109, -119, -139, -575.104 (Temperature
Resistance); SAE J918C;
ECE Regulation 30, 54, 106, 108, 109

Tire High Speed Durability

ASTM F551; CMVSS -109, -119, -139;
FMVSS -109, -119, -139;
NOM -016, -086; SAE J918C, J1561

Tire Strength (Plunger)

ASTM F414; CMVSS -109, -119;
FMVSS -109, -119, -139;
NOM -016, -086; SAE J918C

Tire Burst

ECE Regulation R106

Tire Bead Unseating

CMVSS -109; FMVSS -109, -139;
NOM -086; SAE J918C

Wheel Fatigue (Radial, Cornering, Impact)

ABNT NBR 6750, 6751, 6752;
SAE J175, J267, J328, J1204, J1992, J2530

Performance Testing

Plysteer Residual Aligning Torque

Ford CETP 04.04-L-414; SAE J1988

Rolling Resistance

SAE J1269, J2452; ISO 18164, ISO 28580;
ECE Regulation R117 Annex 6

Test:

Performance Testing (continued)

Tire Force and Moment
Measurement / Characterization

Tire Contact Footprint Characteristics and
Dimensions (Images, Force, Pressure and
Displacement Measurement)

Tire Physical Characteristics and Dimensions

Revolutions per Kilometer (RPK)

Test Method:

SAE J1987, J1988, J2704, J2705, J2710, J2717,
J2718, J2730, J2731

ASTM F870; ECE Regulation 106

ASTM F1502; ECE Regulation 30, 54, 108, 109;
FMVSS-109, -139; CMVSS-109, -139

GMW14999



Accredited Laboratory

A2LA has accredited

SMITHERS

Ravenna, OH

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 5th day of June 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0363.03
Valid to March 31, 2022

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