



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

SCHAP LABORATORY SERVICES, LLC
17309 Taft Road, Unit 5
Spring Lake, MI 46456
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MECHANICAL

Valid To: June 30, 2026

Certificate Number: 3611.01

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 textiles, leather, rubber, and fabrics as well as the calibrations listed below:

Tests

Test Methods^{1,2}

Flex

Bally Flex

ASTM D6182;
ISO 5402 (*Except Wet*); ISO 32100;
TSL 5101G (Sec 3.14.1, Method A)

Newark Flex – “W” Flex

ASTM D2097;
Ford FLTM BN 102-02;
TSL 5101G (Sec. 3.14.2, Method B)

Rubbing Abrasion

Gakushin Colorfastness

JIS L0849 (Type II), L1084 (Sec. 8.5.3, Method 45R);
Nissan M0154 (Sec. 18.5, 29, 30), M0155 (Sec. 16, 19, 20,
21), M0602 (Sec. 20, 21, 22, 23, 24);
TSL 5100G (Sec. 4.8.1. Method A),
5101G (Sec. 3.19.1, Method A);
HONDA 8102Z-TLA-G100 B 6-2-3

Tests

Test Methods^{1, 2}

Rubbing Abrasion (*Continued*)

Wyzenbeek	ASTM D4157; GM9082P (Withdrawn 2012) ² ; SAE J948 (Sec. 4), J1530 (Sec. 5); TSL 5101G (Sec. 3.9.2, Method B, Sec. 3.9.4, Method D, Sec. 3.10.2 Method B, Sec. 3.10.4, Method D)
Veslic Colorfastness	ISO 11640 (<i>Except Sec. 6.3, 6.4, 7.8</i>)
Rotary Type Taber Abrasion	GMW 3208; MS 300-31 Sec 4.19; NES M0602 (Section 19.2); 8102Z-TLA-G100 (Section B-6-2-2)
Crocking	AATCC 8; ISO 105-X12
Test Method for Mass Per Unit Area (Weight) of Fabric	ASTM D3776; GMW 3182; MS 300-31 Sec 4.1; NES M0602 (Section 7); TSL 5101G (Section 3.1)
Resistance to Heat Aging	GM 2756M 3.3.16; TL 52064 5.12; TSL 5101G 3.23; NES M0602 26; 8102Z-SZN-G100 (Sec. B-7)
Gloss	ASTM D523
Color	AATCC-1, ISO-105-A02
Temperature and Humidity Aging (Thermal cycles)	VW/AUDI: TL 52064 6.9 / PV 1200; FORD: WSS-M99P43-E1/E2 3.12.3; Nissan M0602, GMW3262, GMW14124; TL 52064
Determination of the Fogging Characteristics of Interior Automotive Materials	SAE J1756; GMW3235; LP-463DB-12-01; TSM0503; PV 3010; DIN 75201; DIN EN ISO 17071; MS 300-54; NES M0161; HES D6508; ISO 6452

CALIBRATION^{7,8}

I. Dimensional Testing/Calibration

Parameter/Equipment	Range	CMC ^{3, 6} (\pm)	Comments
Length 1D ^{4,5} – Measure	Up to 304mm	0.15 mm	Caliper

II. Mechanical

Parameter/Equipment	Range	CMC ^{3, 6} (\pm)	Comments
Mass – Measure ⁴	Up to 2 kg (2 to 200) kg	0.15 g 0.17 kg	Scales
Force – Measure ⁵	Up to 88 N	0.38 N	Force gage
Speed – Measure ⁴	(5 to 99 999) RPM	0.34 RPM	Tachometer

III. Thermodynamic

Parameter/Equipment	Range	CMC ^{3, 6} (\pm)	Comments
Temperature – Measure	(0 to 110) °C	0.027 °C	Fluke 1560 and thermistor probes

IV. Time and Frequency

Parameter/Equipment	Range	CMC ^{3, 6} (\pm)	Comments
Speed – Measure ⁴	5-60 seconds	0.14 s	Bench timer

¹ The laboratory is only accredited for the test methods listed. The accredited test methods are used in determining compliance with the material specifications listed below. The inclusion of these material specifications on this Scope does not confer laboratory accreditation to the material specifications nor does it confer accreditation for the method(s) embedded within the specifications.

² This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

³ Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

⁴ Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

⁵ This laboratory meets R205 – *Specific Requirements: Calibration Laboratory Accreditation Program* for the types of dimensional tests listed above and is considered equivalent to that of a calibration certificate.

⁶ The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.

⁷ This scope meets A2LA's *P112 Flexible Scope Policy*.

⁸ This laboratory offers commercial dimensional testing and commercial and field calibration services where noted.



Accredited Laboratory

A2LA has accredited

SCHAP LABORATORY SERVICES, LLC

Spring Lake, MI

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 16th day of July 2024.

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 3611.01
Valid to June 30, 2026

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