



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017¹

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC
1150 W. Maple Rd.
Troy, MI 48084
Stephen Karrer Phone: 586 754 9000 ext. 32900
Email: Stephen.karrer@element.com

ACOUSTICS & VIBRATION

Valid To: May 31, 2021

Certificate Number: 0098.10

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory listed above, **as well as the two (2) satellite laboratories listed below**, to perform the following tests on automobile and automobile components:

| <u>Test and Test Parameters:</u> | <u>Test Method(s)/Standard(s):</u> |
|---|---|
| Equivalent Stiffness Test and Analysis | CEPT 01-01-L-601 |

¹ This accreditation covers testing performed at the main laboratory listed above, and the 2 satellite laboratories listed below.

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC
1154 Maplelawn
Troy, MI 48084
Stephen Karrer Phone: 586 754 9000 ext. 32900
Email: Stephen.karrer@element.com

| <u>Test and Test Parameters:</u> | <u>Test Method(s)/Standard(s):</u> |
|--|---|
| <u>Sound Quality, Sound Intensity and Sound Pressure Analysis²</u> 32 Channel / 16 Bit A/D / MIC or Intensity Inputs ARTEMIS / LMS Analysis Software | GMW7293; GMW14011 |
| <u>Buzz, Squeak and Rattle²</u> Objective and Jury Evaluations Vibration Profile Development 500 Pound Peak Force Up to 2 kHz Control Multi-Channel Acquisition Up to 16 Channels (Sound Pressure/Acceleration) 16 Bit A/D | GMW7293 |

| <u>Test and Test Parameters:</u> | <u>Test Method(s)/Standard(s):</u> |
|--|---|
| <u>Experimental Modal Analysis</u> ² 16 Bit A/D LMS SCADAS 24 Bit D/A | CETP 01-12-E-404; GMW14096 |
| <u>Road Noise and Vibration Measurements</u> ² Up to 32 Channels 100 K – Samples/Simultaneous +/- 10V Input ICP Input 16 Bit A/D | VADA 06-044 |
| Equivalent Stiffness Test and Analysis | CEPT 01-01-L-601 |

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC
5820 Hix Road
Westland, MI 48185
Mr. Brian Rilet Phone: 248 458 5900

| <u>Test and Test Parameters:</u> | <u>Test Method(s)/Standard(s):</u> |
|---|---|
| Equivalent Stiffness Test and Analysis | CEPT 01-01-L-601 |

²Also using customer supplied test methods, or methods developed by the lab and approved by the client, within the parameters listed above.





Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC

Troy, MI

for technical competence in the field of

Acoustics and Vibration 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 October 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0098.10 (Formerly 0375.04)
Valid to May 31, 2021
Revised August 20, 2020

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