



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017<sup>1</sup>

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC  
1150 W. Maple Rd.  
Troy, MI 48084  
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ACOUSTICS & VIBRATION

Valid To: May 31, 2023

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 satellite laboratory listed below, to perform the following tests on automobile and automobile components:

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

<sup>1</sup> This accreditation covers testing performed at the main laboratory listed above and the satellite laboratory listed below.

ELEMENT MATERIALS TECHNOLOGY DETROIT LLC  
1154 Maplelawn  
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<b><u>Test and Test Parameters:</u></b>	<b><u>Test Method(s)/Standard(s):</u></b>
<u>Sound Quality, Sound Intensity and Sound Pressure Analysis</u> <sup>2</sup> 32 Channel / 16 Bit A/D / MIC or Intensity Inputs ARTEMIS / LMS Analysis Software	GMW7293; GMW14011
<u>Buzz, Squeak and Rattle</u> <sup>2</sup> 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

<b><u>Test and Test Parameters:</u></b>	<b><u>Test Method(s)/Standard(s):</u></b>
<u>Experimental Modal Analysis</u> <sup>2</sup> 16 Bit A/D LMS SCADAS 24 Bit D/A	CETP 01-12-E-404; GMW14096
<u>Road Noise and Vibration Measurements</u> <sup>2,3</sup> 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

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

<sup>3</sup>This laboratory performs field testing activities for these tests



## Accredited Laboratory

A2LA has accredited

### ELEMENT MATERIALS TECHNOLOGY DETROIT, LLC

Troy, MI

for technical competence in the field of

### Acoustics & 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 19<sup>th</sup> day of May 2021.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 0098.10  
Valid to May 31, 2023

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