SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY KOKOMO
1815 Touby Pike
Kokomo, IN 46901
Shane Deford // Phone: 810-908-4107 // Email: shane.deford@element.com
Gregory Stetkiw // Phone: 810-341-7980 // Email: greg.stetkiw@element.com
Website: http://www.element.com

ACOUSTICS & VIBRATION

Valid To: May 31, 2026 Certificate Number: 1123.07

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following vibration tests using the parameters and methods listed below: [3]

On the following products or types of products:
Automotive, Aerospace, Military and Electrical/Electronic/Mechanical components and assemblies.

Test Type	Test Parameters	Test Method/Standard
Random Vibration[1] Single Axis Vibration Testing. Electro-dynamic vibration tables. Controllers using client methods within the following parameters:	Displacement: up to 2.5 in pk-to-pk Force: Up to 15,000 lbf Frequency: 5 Hz to 2,500 Hz Temperature: (-50 to +150) °C. Ramp rate 10 °C/minute max. Humidity: 30% to 95% RH Maximum Acceleration: 100gRMS	TL-6172; TL-6550; ASTM D4728; FCA CS.00056; Ford CEPT:00:00-E-412; GMW 3172[2]; GMW 3191; Hyundai/KIA ES95400-10; IEC 60068-2-64; ISO 16750-3; JDQ 53.3; MIL-STD-202 (G, H) methods 214; MIL-STD-81 0(G, H) method 514; Nissan 28401NDS01; SAE J 1455; USCAR-2

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8398 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

Test Type	Test Parameters	Test Method/Standard
Sine Vibration[1] Single Axis Vibration Testing. Electro-dynamic vibration tables. Controllers using client methods within the following parameters:	Displacement: up to 2.5 in pk-to-pk Force: Up to 15,000 lbf Frequency: 5 Hz to 2,500 Hz Temperature: (-50 to +150) °C. Ramp rate 10 °C/minute max. Humidity: 30% to 95% RH Maximum Acceleration: 140gRMS Velocity Continuous: 71 inches/second	TL-6172; TL-6550; Ford CETP:00.00-E-412; FCA CS.00056; Ford CEPT:00:00-E-412; GMW 3172[2]; GMW 3191; Hyundai/KIA ES95400-10; IEC 60068-2-6; ISO 16750-3; JDQ 53.3; JIS D 1601; MIL-STD-202 (G, H) methods 201, 204; MIL-STD-810 (G, H) method 514; Nissan 28401NDS01; SAE J 1455; TSC 7000G; USCAR-2
Mechanical Shock[1] Electro-dynamic vibration tables with mechanical shock controller using client methods within the following parameters: Waveforms: half-sine, saw tooth, and trapezoidal	Displacement: Up to 2.5 in pk-to-pk Force: Up to 40,000 lbf (half-sine) Acceleration: Up to 1500 g (depending on product and fixture design, mass, and pulse duration) Temperature: (-50 to +150) °C Ramp rate 10 °C/minute max. Humidity: 20% to 95% RH Up to 100 g (electrodynamic) (depending on product and fixture design, mass, and pulse duration) Up to 1500 g (shock amplifier-pneumatic) (depending on product and fixture design, mass, and pulse duration)	FCA CS.00056; Ford CEPT:00:00-E-412; GMW 3172[2]; GMW 3191; Hyundai/KIA ES95400-10; IEC 60068-2-27; ISO 16750-3; JDQ 53.3; MIL-STD-202 (G, H) methods 213; MIL-STD-810 (G, H) method 514; Nissan 28401NDS01; SAE J 1455; TSC 7000G; USCAR-2

Test Type	Test Parameters	Test Method/Standard
Vibration Test Fixture[1]		
Transmissibility	Frequency: 5 Hz to 2,500 Hz	GMW 3172

[1] Also using customer specifications directly related to the types of tests and parameters listed.

[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 including but not limited to GMW 3172 (2008, 2010, 2012, 2015, 2018).

[3] This scope meets A2LA's P112 Flexible Scope Policy.

Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY KOKOMO

Kokomo, IN

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 23rd day of July 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1123.07
Valid to July 31, 2026
Revised June 5, 2025

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