

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY TEMPE

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MECHANICAL

Valid To: March 31, 2026

Certificate Number: 214.10

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following automotive, and aerospace testing:

Tests:

Test Specifications/Methods:

Vibration (Sine, Random and Combined) ¹
(5 to 3000) Hz
1" stroke
24,000 lbs. Force to 100 g's

MIL-STD-750 C, D, E, F (Methods 2046, 2056, 2057);
MIL-STD-167A (Method I);
MIL-STD-810 Base, A, B, C, D, E, F, G, H
(Methods 514, 519, 526);
MIL-STD-202 E, F, G (Methods 201, 203, 204, 214);
MIL-STD-1344A (through Notice 6), (Method 2005);
MIL-STD-1576 Base (Method 3113);
MIL-STD-1540 B, C, D;
RTCA/DO-160 B, C, D, E, F, G (Section 8);
SAE/USCAR 24 (Inflator Requirements), June 2004;
SAE/USCAR 28 (Initiator Requirements), June 2005

Vibration Shock ¹
(5 to 3000) Hz
1" stroke
24,000 lbs. Force to 100 g's

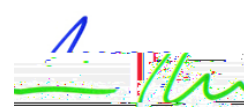
MIL-STD-202 E, F, G (Method 213);
MIL-STD-810 Base, A, B, C, D, E, F, G, H,
(Method 516);
MIL-STD-1344A (through Notice 6), (Method 2004);
RTCA/DO-160 B, C, D, E, F, G (Section 7);
SAE/USCAR 24 (Inflator Requirements), June 2004;
SAE/USCAR 28 (Initiator Requirements), June 2005

Mechanical (Drop) Shock ¹
(12, 20 & 40) ft. drop towers

MIL-STD-810 Base, A, B, C, D, E, F, G, H,
(Method 516);
MIL-STD-202 E, F, G (Method 213);
MIL-STD-1344A (through Notice 6) (Method 2004);
MIL-STD-1576 Base (Method 3114);
SAE/USCAR 24 (Inflator Requirements), June 2004

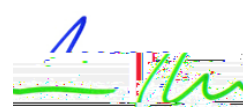
(Beam) Shock ¹
Air Cannon, Beam

MIL-STD-1576 Base (Method 3114)



Tests:

Test Specifications/Methods:



Tests:

Rapid Decompression

Immersion

Fluid Susceptibility

Solar Radiation/Sunshine

Salt Fog/Spray

Test Specifications/Methods:

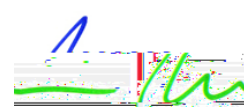
MIL-STD-810 Base, A, B, C, D, E, F, G, H,
(Method 500);
RTCA/DO-160 B, C, D, E, F, G (Section 4)

MIL-STD-810 Base, A, B, C, D, E, F, G (Method 512);
MIL-STD-202 E, F, G (Method 104);
MIL-STD-1344A (through Notice 6), (Method 1016)

MIL-STD-810 F, G, H, Method 504);
RTCA/DO-160 B, C, D, E, F, G (Section 11)

MIL-STD-810 Base, A, B, C, D, E, F, G, H,
(Method 505);

MIL-STD-810





Accredited Laboratory

A2LA has accredited

Tempe, AZ

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 May 2024.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 214.10
Valid to March 31, 2026

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