



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY – JUPITER¹
15814 Corporate Circle
Jupiter, FL 33478
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ACOUSTICS & VIBRATION

Valid To: February 28, 2021

Certificate Number: 1720.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, as well as the one satellite laboratory location listed below, to perform the following tests on the following types of products and materials: Aerospace components, Military equipment, Nuclear equipment, Commercial and Automotive components.

Test Description:

Tests Method(s):

Acoustical Noise

MIL-STD-810 C/D/E/F/G, Method 515

Acceleration

MIL-STD-202, Method 212, (*Test Conditions A and C only*);
MIL-STD-810 C/D/E/F/G, Method 513;
MIL-E-5272, Rev. C, 22 Jan 71, Para. 4.16

Vibration²
32,000 lbf

RTCA/DO-160, Section 8;
MIL-STD-202 F/G, Methods 201, 204, and 214;
MIL-STD-810 C/D/E/F/G, Methods 514 and 516;
MIL-E 5272, Rev. C, 22 Jan 71, Para. 4.7;
IEC 68-2-6, IEC 68-2-34

Shock²
Up to 40,000 g

RTCA/DO-160, Section 7;
MIL-STD-202 F/G, Methods 202, 205, and 213
(higher levels need drop tower);
MIL-STD-810 C/D/E/F/G, Methods 514, 516,
Procedures I, II, III, and V;
IEC 68-2-27; MIL-S-901D

SRS²
Up to 250 g
(5 to 2500) Hz

MIL-STD-810 C/D/E/F/G, Method 516

Test Description:

Loose Cargo
Circular Synchronous Bed 300 RPM,
1 inch Orbital Path at 5 Hz

Tests Method(s):

MIL-STD-810 C/D/E/F/G, Method 514

¹ This accreditation covers testing performed at the main laboratory listed above, and the following satellite laboratory listed below:

² Also using customer-specified test methods utilizing any combinations of test equipment parameters listed.

ELEMENT MATERIALS TECHNOLOGY – JUPITER
7780 Technology Drive
Melbourne, FL 32904

Test Description:

Vibration²
Up to 9,000 lbf
(3 to 4000) Hz
Acceleration: Up to 100 g
Displacement: Up to 4 in

Tests Method(s):

RTCA/DO-160, Section 8;
MIL-STD-202 Method 106;
MIL-STD-810 C/D/E/F/G, Methods 514, 516,
Procedures IV, VI, and 519;
MIL-STD-167;
IEC 60945, Section 8.7

Shock²
Up to 210 g; 1/2 Sine
(< 1 to 35) ms at Terminal Peak

RTCA/DO-160 Section 7;
MIL-STD-202 Methods 202, 205, and 213 (higher levels need drop tower);
MIL-STD-810 C/D/E/F/G, Methods 514, 516,
Procedures I, II, III, and V;
IEC 68-2-27; MIL-S-901D

SRS²
Up to 250 g
(5 to 2500) Hz

MIL-STD-810 C/D/E/F/G, Method 516

Loose Cargo
Circular Synchronous Bed 300 RPM,
1 inch Orbital Path at 5 Hz

MIL-STD-810 C/D/E/F/G, Method 514



Accredited Laboratory

A2LA has accredited

ELEMENT MATERIALS TECHNOLOGY - JUPITER

Jupiter, FL

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 25th day of February 2019.

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

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1720.01
Valid to February 28, 2021

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