



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY – JUPITER

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ACOUSTICS & VIBRATION

Valid To: February 28, 2023

Certificate Number: 1719.06

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)<sup>1</sup>:**

Acoustical Noise

MIL-STD-810, Method 515

Acceleration

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

Vibration<sup>2</sup>  
32,000 lbf

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

Shock<sup>2</sup>  
Up to 40,000 g

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

Pyro Shock

MIL-S-901

SRS<sup>2</sup>  
Up to 250 g  
(5 to 2500) Hz

MIL-STD-810, Method 516

**Test Description:**

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

**Tests Method(s):**

MIL-STD-810, Method 514

<sup>1</sup> When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

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

Note: this lab is capable of performing current and older versions of MIL-STD-810 (versions B through H) and RTCA/DO-160 (versions B through G) for the methods listed above. The methods listed above on this Scope are accredited.





# 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 5<sup>th</sup> day of February 2021.

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

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 1719.06  
Valid to February 28, 2023

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