

## SCOPE OF ACCREDITATION TO ISO/IEC 17022017

## ELEMENT MATERIALS TECHNOLOGY – MELBOURNE 7780 Technology Drive Melbourne, FL 32904

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## MECHANICAL

Valid To: February 28, 2025 Certificate Number:7039.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for the following teston the following types of products: Aircraft components, automotive components, gaskets, seals and packing and containers, pipes, hoses, valves and fittings, rubber and rubber products, tools, windows & doors, wiring harnesses, subassemblies.

For the following types of industrie Aircraft, Aerospace, Automotive, Medical, Defense and Electronics industries.

<u>Test Description:</u> <u>Tests Method(s)</u>1:

Vibration<sup>2,3</sup>



TestsMethod(s) 1: Test Description:

Acceleration 3 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

Salt Spra<sup>2</sup>√3 ASTM B117; ASTM D1735 ASTM D2247;

DIN50021-SS; IEC 60945 Section 8.12;

MIL-STD-202, Method 101; MIL -STD-810, Method 509; RTCA/DO-160, Section 14

Sand<sup>3,3</sup> MIL-STD-810, Method 510;

> MIL-STD-202 Method 110A; RTCA/DO-160, Section 12

Dust<sup>2,3</sup> IEC 60529, Section 13;

> MIL-STD-810, Method 510; MIL-STD-202 Method 110A; RTCA/DO-160, Section 12

Settling Dust IEC 60529, Section 13

Humidity (Temp/Humidity) 3 Bellcore GR63 (5.1.1.3);

MIL-STD-202 Methods 103, 105.1, and 106;

MIL-STD-810, Method 507; RTCA/DO-160, Section 6;

DIN 50017;

IEC 60945, Section 8.3

Moisture Resistance MIL-STD-202, Method 106

High/Low Temperature<sup>3</sup> MIL-STD-810, Methods 501, 502, 520;

> MIL-STD-202, Method 108A; IEC 60945, Sections 8.2, 8.4;

RTCA/DO160, Sections 4.5.1, 4.5.2, 4.5.3, 4.5.4,

4.55, 5, 24 (Category A & C)

Thermal Shock3 RTCA/DO160, Section 6;

> IEC 60945, Section 8.5; MIL-STD-202 Method 107G; MIL -STD-810, Method 503

Altitude<sup>2,3</sup> MIL -STD-810, Method 500:

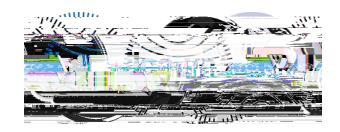
Up to 70,000 ft RTCA/DO160 Sections 4.6.1, 4.6.3

Leakage (Immersion) MIL -STD-810, Method 512;

IEC 60945, Section 8.9

Fluid Susceptibilit<sup>3</sup> MIL -STD-810, Method 50;4

RTCA/DO-160, Section 11



## Accredited Mechanical Testing

This laboratory is accredited in accordance with the recognized Internati onal 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 7th day of February 2023.

Mr. Trace McInturff, Vice President , Accreditation Services

For the Accreditation Council Certificate Number 7039.02 Valid to February 28, 2025