

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELEMENT MATERIALS TECHNOLOGY – MELBOURNE  
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MECHANICAL

Valid To: February 28, 2025

Certificate Number:7039.02

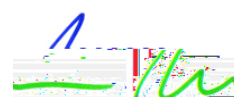
In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for the following test on the following types of products: Aircraft components, automotive components, gaskets, seals and packings, piping and containers, pipes, hoses, valves and fittings,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

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

Test Description:

Tests Method(s)<sup>1</sup>:

Vibration<sup>2,3</sup>



Test Description:

Test Method(s) 1:

Acceleration<sup>2,3</sup>

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 Spray<sup>2,3</sup>

ASTM B117; ASTM D1735 ASTM D2247;  
DIN50021SS; IEC 60945 Section 8.12;  
MIL -STD-202, Method 101;  
MIL -STD-810, Method 509;  
RTCA/DO-160, Section 14

Sand<sup>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)<sup>2,3</sup>

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>2,3</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 Shock<sup>2,3</sup>

RTCA/DO160, Section 6;  
IEC 60945, Section 8.5;  
MIL -STD-202 Method 107G;  
MIL -STD-810, Method 503

Altitude<sup>2,3</sup>  
Up to 70,000 ft

MIL -STD-810, Method 500;  
RTCA/DO160 Sections 4.6.1, 4.6.3

Leakage (Immersion)<sup>2,3</sup>

MIL -STD-810, Method 512;  
IEC 60945, Section 8.9

Fluid Susceptibility<sup>2,3</sup>

MIL -STD-810, Method 504  
RTCA/DO-160, Section 11



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

Scope of Accreditation.