



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;  
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</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.