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 tests on the following types of products: Aircraft components, automotive components, gaskets, seals and packings, packaging 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)[1]:
Vibration[2,3]	

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Test Description:	Tests Method(s) [1]:
Acceleration [2,3]	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 Spray [2,3]	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 [2,3]	MIL-STD-810, Method 510; MIL-STD-202 Method 110A; RTCA/DO-160, Section 12
Dust [2,3]	IEC 60529, Section 13; MIL-STD-810, Method 510; MIL-STD-202 Method 110A; RTCA/DO-160, Section 12
Settling Dust [3]	IEC 60529, Section 13
Humidity (Temp/Humidity) [2,3]	Bellcore GR-63 (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 [2]	MIL-STD-202, Method 106
High/Low Temperature [2,3]	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 [1,3]	RTCA/DO160, Section 6; IEC 60945, Section 8.5; MIL-STD-202 Method 107G; MIL-STD-810, Method 503
Altitude [2,3] Up to 70,000 ft	MIL-STD-810, Method 500; RTCA/DO160 Sections 4.6.1, 4.6.3
Leakage (Immersion) [2,3]	MIL-STD-810, Method 512; IEC 60945, Section 8.9
Fluid Susceptibility [2,3]	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.