



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EUROFINS ELECTRICAL AND ELECTRONIC TESTING NA, INC.
33439 Western Avenue
Union City, CA 94587

Greg Kovolenko Phone: 410 949 1869
greg.kovolenko@metlabs.com

MECHANICAL

Valid To: January 31, 2025

Certificate Number: 0591.05

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory listed above to perform the following Environmental Simulation tests:

Test Technology:

Test Method(s)¹:

Acoustic Pressure (Sound
Pressure Level / Sound Power
Level)

GR-63; GR-487;
ETSI EN 300 753;
ISO 7779; ISO 3744; ISO 9295

Airborne Contamination
(Hygroscopic Dust)

GR-63; GR-487

Altitude

IEC 60068-2-13

Compression

GR-950;
ISTA 2A, 3A;
ASTM D4169

Drop / Shock Tests (Free Fall)

ASTM D5276;
IEC 60068-2-32;
IEC-60068-2-31, 2008;
GR-63; GR-487;
ETSI EN 300-019-2-1 through -8;
MIL-STD-810 Method 516.5, Proc. IV & VI

Dust Test

MIL-STD-810 Method 510 (Settling Dust);
IEC 60529 IP5X & IP6X

Enclosure Integrity

NEMA 250;
IEC 60529

Test Technology:

Flame Spread and Analysis
(of Electrical Products and
Components)

HALT / HASS

Humidity (Moisture Resistance)
/ Humidity Aging

Icing

Illumination

Immersion / Water Immersion

Lawn Sprinklers

Mechanical Shock²
(Up to 100 g's and 11 mSec for
Electrodynamic Shaker)

Mechanical Vibration²
(1-200 hz up to 8 G's/Rms)
(5-2000 hz up to 50 G's/Rms)

Test Method(s)¹:

GR-63;
ANSI T1.319;
Verizon SIT.NEBS.RQS.NPI.2004.015

ESWU-68

GR-63; GR-487;
RTCA/DO-160 Section 6.0;
MIL-STD-810 Method 507;
MIL-STD-202 Methods 103 & 106;
MIL-STD-883 Method 1003;
IEC 60068-2-30; IEC 60068-2-56;
ETSI EN 300-019-2-1 through -8

NEMA 250;
MIL-STD-810 Method 521;
RTCA/DO-160 Section 24.0

GR-63, 5.7.1, Test 1

IEC 60529;
MIL-STD-202 Method 104;
MIL-STD-810 Method 512;
GR-49

GR-487

GR-487; GR-63;
MIL-STD-810 Method 516;
MIL-STD-202 Methods 202,
203 Test conditons A- C, G-K;
IEC 60068-2-27; IEC 60068-2-29;
ETSI EN 300-019-2-1 through -8;
ETS 300-019-2-3;
RTCA/DO-160 Section 7.0

GR-63; GR-487;
MIL-STD-810 Methods 514, 516;
MIL-STD-883 Methods 2005, 2006, 2007, 2026;
RTCA/DO-160 Section 8.0;
MIL-STD-202 Methods 201, 204 & 214;
MIL-STD-167-1, 167-1A, Type 1;
ASTM D3580; ASTM D4728;
IEC 60068-2-6; IEC 60068-2-36;
IEC 60721-3-4;
ETSI EN 300-019-2-1 through -8



Test Technology:**Test Method(s)¹:**

Salt Spray and Corrosion

GR-487; GR-3108 CORE, Section 6.2;
RTCA/DO-160 Section 14.0;
MIL-STD-810 Method 509;
MIL-STD-202 Method 101;
NEMA 250;
UL 1332;
ASTM G85; ASTM B117

Seismic / Earthquake Resistance

GR-63; GR-487;
ETSI EN 300-019-2-3;
ETSI EN 300-019-2-4;
ICC-ES-AC156

Solar Radiation

GR-487 (Heat Strips); GR-3108 (Solar Lights)

Temperature Cycling
High / Low TemperatureGR-63; GR-487;
IEC 60068-2-1; IEC 60068-2-14; IEC 60068-2-2;
RTCA/DO-160 Sections 4.0 and 5.0;
MIL-STD-810 Methods 501 and 502;
MIL-STD-202 Method 108;
MIL-STD-883 Method 1010;
ETSI EN 300-019-2-1 through -8;
NEMA 250Thermal Shock²
(-70°C to 177°C)GR-63; GR-487;
MIL-STD-810 Method 503;
MIL-STD-202 Method 107;
MIL-STD-883 Method 1011;
ASTM D3332

Waterproofness / Rain

RTCA/DO-160 Section 10.0;
MIL-STD-810 Method 506;
IEC 60529; IEC 60068-2-18;
NEMA 250; ETSI EN 300-019-2-1 through -8**On the following products or types of products:**

Information Technology Equipment, Telecommunications Equipment, Office Equipment, Military Equipment, Medical Equipment, Power Generation Equipment, Household Appliances, Materials, Batteries, Aerospace Equipment, Audio/Visual equipment.

¹ 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*.

² Also using customer supplied test methods, or methods developed by the lab and approved by the client, within the parameters listed above.





Accredited Laboratory

A2LA has accredited

EUROFINS ELECTRICAL AND ELECTRONIC TESTING NA, INC.

Union City, CA

for technical competence in the field of

Mechanical 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 4th day of August 2023.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0591.05
Valid to January 31, 2025

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