



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MET LABORATORIES, INC.  
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MECHANICAL

Valid to: April 30, 2019

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:

<b><u>Test Technology:</u></b>	<b><u>Test Method(s):</u></b>
Acoustic Pressure (Sound Pressure Level / Sound Power Level)	GR-63; GR-487; ETSI EN 300 753; ISO 7779; ISO 3744; ISO 9295
Airborne Contamination (Mixed Flowing Gas and Hygroscopic Dust)	GR-63; GR-487; ASTM B827; ASTM B810; IEC 60068-2-60
Altitude (Up to 70,000 Feet) (-40 to 90) °C	GR-63; RTCA/DO-160 D & E Section 4.0; MIL-STD-810 D - G Method 500.4; MIL-STD-202 F & G Method 105C
Drop / Shock Tests (Free Fall)	ASTM D5276; IEC 60068-2-32; GR-63; GR-487; ETSI EN 300-019-2-1 through -8; MIL-STD-810 D - G Method 516.5, Proc. IV & VI
Dust Test	MIL-STD-810 Method 510.4 (Settling Dust); IEC 60529 IP5X & IP6X
Enclosure Integrity	NEMA 250; IEC 60529
Flame Spread and Analysis (of Electrical Products and Components)	GR-63; ANSI T1.319:2002; Verizon SIT.NEBS.RQS.NPI.2004.019

**Test Technology:**

**Test Method(s):**

Humidity (Moisture Resistance)  
/ Humidity Aging

GR-63; GR-487;  
RTCA/DO-160 D & E Section 6.0;  
MIL-STD-810 D - G Method 507.4;  
MIL-STD-202 F & G Methods 103B and 106G;  
MIL-STD-883 F & G;  
IEC 60068-2-30; IEC 60068-2-56;  
ETSI EN 300-019-2-1 through -8

Icing

NEMA 250;  
MIL-STD-810 D - G Method 521.2;  
RTCA/DO-160 D & E Section 24.0

Illumination

GR-63, 5.7.1, Test 1

Immersion

MIL-STD-202 F & G Method 104A;  
MIL-STD-810 D - G Method 512.4;  
GR-49

Lawn Sprinklers

GR-487

Mechanical Shock

(Up to 100 g's and 6 mSec for  
Electrodynamic Shaker)  
(Up to 500 g's and 6 mSec for Avco Shock  
Test Machine)

GR-487; GR-63;  
MIL-STD-810 D - G;  
MIL-STD-202 D - G;  
MIL-STD-883 D - G;  
IEC 60068-2-27; IEC 60068-2-29;  
ETSI EN 300-019-2-1 through -8;  
ETS 300-019-2-3;  
RTCA/DO-160 D & E Section 7.0

Mechanical Vibration

GR-63; GR-487;  
MIL-STD-810 D - G;  
MIL-STD-202 F & G;  
MIL-STD-883 F & G;  
RTCA/DO-160 D & E Section 8.0;  
MIL-STD-202 F & G Methods 201, 204 and 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

Salt Spray and Corrosion

GR-487;  
RTCA/DO-160 D & E Section 14.0;  
MIL-STD-810 D - G Method 509.4;  
MIL-STD-202 F & G Method 101E;  
NEMA 250;  
UL 1332;  
ASTM G85; ASTM B117



**Test Technology:**

**Test Method(s):**

Earthquake Resistance / Seismic

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

Thermal Shock

GR-487;  
GR-63;  
MIL-STD-810 D - G Method 503.4;  
MIL-STD-202 F & G Method 107G;  
MIL-STD-883 F & G Method 1011.9;  
ASTM D3332

Solar Radiation

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

Temperature Cycling  
High / Low Temperature

GR-63; GR-487;  
IEC 60068-2-1; IEC 60068-2-14; IEC 60068-2-2;  
RTCA/DO-160 D & E Sections 4.0 and 5.0;  
MIL-STD-810 D - G Methods 501.4 and 502.4;  
MIL-STD-202 F & G Method 108A;  
MIL-STD-883 F & G Method 1010.7;  
ETSI EN 300-019-2-1 through -8;  
NEMA 250

Compression

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

Water Immersion

IEC 60529;  
MIL-STD-810

Waterproofness / Rain

RTCA/DO-160 D - G Section 10.0;  
MIL-STD-108 E;  
MIL-STD-810 D - G Method 506.4;  
IEC 60529; IEC 60068-2-18;  
NEMA 250

Wind Resistance

GR-487

Halt / Hass Test

ESWU-68

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.



## *Accredited Laboratory*

A2LA has accredited

**MET LABORATORIES, 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 17025:2005 *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 8 January 2009).



Presented this 1<sup>st</sup> day of June 2017.

A blue ink signature of the President and CEO, written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 0591.05  
Valid to April 30, 2019  
Revised March 26, 2019

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