



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MEGALAB GROUP INC.  
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MECHANICAL

Valid To: April 30, 2025

Certificate Number: 5179.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on military, aerospace, automotive, medical, commercial, metals, plastics, rubber, electrical/electronic products and/or assemblies:

**Test(s):**

**Test Method(s):**

Breath Alcohol Ignition  
Interlock Test (BAIID)<sup>1</sup>

CAN/CSA-Z627-16  
CSTT-HVC-TR-114/CSTT-HVC-TR-150  
EN 50436-1  
EN 50436-2  
NHTSA-2013-0058, Federal Register / Vol. 78, No. 89

Temperature<sup>1</sup>:  
Range: (-68°C to 180°C)  
High Temperature  
Low Temperature  
Temperature Cycling  
Thermal Shock  
Dry Heat  
Ambient Temperature

EIA/ECA-364-110  
EIA/ECA-364-59A  
EIA-364-17C  
EIA-364-31C  
EIA-364-32F  
EN50436-1  
IEC/EN 60068-2-1  
IEC/EN 60068-2-2  
IEC/EN 60068-2-3  
IEC/EN 60068-2-14  
IEC/EN 60068-2-30  
IEC/EN 60068-2-38  
IEC/EN 60068-2-61  
IEC/EN 60068-2-78  
MIL-STD-1344, Sec.1002  
MIL-STD-202, M106

**Test(s):**

Temperature and Humidity<sup>1</sup>:  
Temperature: (-68 to 180) °C  
Humidity: up to 98% RH

**Test Method(s):**

MIL-STD-202, M107  
MIL-STD-810, M501.5  
MIL-STD-810, M502.5  
MIL-STD-810, M503.5  
MIL-STD-810, M507.5  
MIL-STD-810, M524  
MIL-STD-883, M1004.7  
MIL-STD-883, M1010.9  
MIL-STD-883, M1011.9  
MIL-STD-883, M1012.1  
MIL-STD-883, M1013  
NHTSA-2013-0058  
RTCA/DO-160 Sec. 5.0  
RTCA/DO-160 Sec. 6.0

Vibration & Shock w/Temperature<sup>1</sup>  
Frequency Range: (5 to 2,600) Hz

Displacement: Up to 3 in Peak-Peak  
Shock to 200Gs  
Temperature Range:  
(-45°C to +120°C)

Sine, Resonance Search, Resonance  
Dwell, Random, Sine-on-Random,  
Random-on-Random, Classical Shock

ASTM D3580  
ASTM D5112  
EIA-364-27C  
EIA-364-28F  
EN50436-1  
IEC/EN 60068-2-6  
IEC/EN 60068-2-27  
IEC/EN 60068-2-31  
IEC/EN 60068-2-64  
IEC/EN 60068-2-80  
MIL-STD-1344, Sec. 2005  
MIL-STD-202, M201  
MIL-STD-202, M204  
MIL-STD-202, M214  
MIL-STD-810, M514  
MIL-STD-810, M516  
MIL-STD-810, M519  
MIL-STD-883, M2002.5  
MIL-STD-883, M2005.2  
MIL-STD-883, M2026  
MIL-STD-883, M2007.3  
NHTSA-2013-0058  
RTCA/DO-160, Sec. 8.0

Water Test/Rain, Ingress Protection<sup>1</sup>

Rain  
Moisture Resistance  
Dew Point  
Waterproofness

IEC/EN 60068-2-18  
IEC/EN 60068-2-68  
IEC/EN 60950-22  
MIL-STD-202, M106  
MIL-STD-810, M506.1  
MIL-STD-810, M510.5  
MIL-STD-810, M512.5  
MIL-STD-810, M521  
MIL-STD-883, M1002  
RTCA/DO-160 Sec. 10.0



**Test(s):**

**Test Method(s):**

Icing/Freezing Rain<sup>1</sup>

MIL-STD-810, Sec. 521;  
RTCA/DO-160, Sec. 24.0

Ingress Protection<sup>1</sup>

CSA C22.2 No. 94.1, 94.2  
EIA/ECA-364-10E  
EIA-364-50B, Fine Sand  
EN50436-1  
IEC 60529;  
IP1X, IP2X, IP3X, IP4X, IP5X, IP6X (First Char.);  
IPX1, IPX2, IPX3, IPX4, IPX5, IPX6, IPX7, IPX8, IPX9,  
IPX9K  
ISO 20653  
NEMA 250, Sec. 5; UL50  
RTCA/DO-160G, Sec.12.0  
UL50E

Battery Test

UN38.3

Packaged Products<sup>1</sup>

ASTM D4169  
ASTM D5276, ISTA sub, Free Fall  
ASTM D5487, ISTA sub, Shock  
ASTM D7386  
ASTM D999, ISTA sub, Vibration  
ISO 16750-3 (Drop Test Only)  
ISTA 1 Series  
ISTA 2 Series  
ISTA 3 Series  
ISTA 4 Series  
ISTA 6 Series, (Amazon, SAMSCLUB, FedEx)  
ISTA 7D  
TP14580

Salt Fog/Spray (5% Salt Solution)<sup>1</sup>

Salt Fog

ASTM B117

Salt Atmosphere

EIA-364-26C

Salt Mist

IEC/EN 60068-2-52  
IEC/EN 60068-2-11  
IEC/EN 60950-22  
MIL-STD-1344, Sec. 1001  
MIL-STD-202, M101  
MIL-STD-810, M509.5  
MIL-STD-883, M1009.8  
MIL-STD-883, M1031  
RTCA/DO-160, Sec. 14.0  
ASTM G85  
IEC/EN 60068-2-42  
IEC/EN 60950-22  
IEC/EN 61300-2-28  
ISO 6988

SO<sub>2</sub><sup>1</sup>

<sup>1</sup> Also using customer supplied and industry specifications directly related to the test technologies and parameters listed above to perform tests on military, aerospace, automotive, medical, commercial, metals, plastics, rubber, electrical/electronic products and/or assemblies.





# Accredited Laboratory

A2LA has accredited

## MEGALAB GROUP INC.

*Aurora, Ontario, Canada*

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 23<sup>rd</sup> day of May 2023.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5179.01  
Valid to April 30, 2025

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