



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRIALON CORPORATION
Michigan Testing and Validation Center
1477 Walli Strasse Blvd.
Burton, MI 48509

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MECHANICAL

Valid To: May 31, 2020

Certificate Number: 1123.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests using the parameters and methods listed below on the following products and materials: abrasives; automotive components; coatings; glass and glass products; textiles; instrument clusters; and circuit boards.

Capabilities*:

Force: Up to 30 kN

Temperature: (-50 to 150) °C

Temperature and Humidity: (20 to 95) %RH

Temperature Cycling: (-50 to 150) °C

Thermal Shock: (-50 to 150) °C

Vibration

Random:

Force Ratings: 15,000 force-lbs

Frequency Range: (4 to 3,000) Hz

Shock:

Force: 40,000 force-lbs

Waveforms: half-sine, saw tooth, trapezoidal

Maximum Levels: Up to 100 g's (electrodynamic)

Maximum Levels: Up to 500 g's (shock amplifier-pneumatic)

Tests*

Test Methods

Force

Connector Tests

GMW 3172

Terminal Retention Force

GMW 3172

Connector Mating Force

GMW 3172

Connector Retention Force

GMW 3172

Connector Disengagement Force

GMW 3172

Crush Test

GMW 3172

Tests*

Environmental Simulation

Accelerated Weathering Exposure (Xenon)
Temp Exposure (*with and without humidity*)
Dust Exposure
Fluid Compatibility
Humidity
Humidity Heat, Cyclic (HHC)
Humidity Heat, Constant (HHCC)
Immersion/Water
Low Temperature Testing
High & Low Temperature Durability
Moisture Susceptibility (Frost)
Dew Test
Salt Fog/Mist
Thermal Shock
Thermal Shock & Water Splash
Power Temperature Cycle
Thermal Shock in Air (TS)
Tri-Temperature/Parametric

Vibration

Drop
Free Fall

Temperature/Humidity

High Temperature
Low Temperature
Temperature Shock
Humidity
Salt Fog
Immersion

Salt Fog
Humidity
Immersion
Moisture Resistance
Thermal Shock (Air to Air)
Life Testing
Resistance to Solvents

Immersion
Moisture Resistance
Steady State Humidity
Salt Atmosphere
Thermal Cycle
Thermal Shock (Air to Air)
Dew Testing
Burn In

Test Methods

SAE J1885; SAE J2412
GMW 3172
GMW 3172 (Dec 2001)
GMW 3172
GMW 3172
GMW 3172
IEC 60529; DIN 40050-9e; ISO 20653
GMW 3172
GMW 3172
GMW 3172
GMW 3172
GMW 3286; GMW 3172; ASTM B117
GMW 3172
GMW 3172
GMW 3172
GMW 3172
GMW 3172
GMW 3172
GMW 3172
GMW 3172
MIL-STD-810, Rev C - G, Method 501
MIL-STD-810, Rev C - G, Method 502
MIL-STD-810, Rev C - G, Method 503
MIL-STD-810, Rev C - G, Method 507
MIL-STD-810, Rev C - G, Method 509
MIL-STD-810, Rev C - G, Method 512
MIL-STD-202, Rev G, Method 101
MIL-STD-202, Rev G, Method 103
MIL-STD-202, Rev G, Method 104
MIL-STD-202, Rev G, Method 106
MIL-STD-202, Rev G, Method 107
MIL-STD-202, Rev G, Method 108
MIL-STD-202, Rev G, Method 215
MIL-STD-883, Rev G - H, Method 1002, a - c
MIL-STD-883, Rev G - H, Method 1004.7
MIL-STD-883, Rev G - H, Method 1005.9
MIL-STD-883, Rev G - H, Method 1009.8
MIL-STD-883, Rev G - H, Method 1010.8
MIL-STD-883, Rev G - H, Method 1011
MIL-STD-883, Rev G - H, Method 1013
MIL-STD-883, Rev G - H, Method 1015





Accredited Laboratory

A2LA has accredited

TRIALON CORPORATION

Burton, MI

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 April 2017).



Presented this 17th day of July 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 1123.03
Valid to May 31, 2020

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