



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRIALON CORPORATION  
Michigan Testing and Validation Center  
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ACOUSTICS & VIBRATION

Valid To: May 31, 2020

Certificate Number: 1123.01

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

**Environmental Durability/ Simulation:**

Vibration and Shock Capabilities up to the following:

**Methods:**

**Random** \*

Force Ratings: 15,000 force-lbs  
Frequency Range: (5 to 3,000) Hz  
Maximum Level: 60 Grms  
Displacement: 2.5 inches Peak to Peak

MIL-STD-810G  
Method 514.6

**Sine** \*

Force Ratings: 15,000 force-lbs  
Frequency Range: (5 to 2,500) Hz  
Velocity Continuous: 71 inches/second  
Displacement: 2.5 inches Peak to Peak

MIL-STD-810G  
Method 514.6

**Mechanical Shock** \*

Force: 40,000 force-lbs  
Waveforms: half-sine, saw tooth, and trapezoidal  
Maximum Levels: up to 100 g's (electrodynamic)  
Maximum Levels: up to 500 g's (shock amplifier - pneumatic)

MIL-STD-810G  
Methods 516.6, 517.1,  
519.6 and 522.1

**Climatic Conditions/Environmental Simulations** \*

High /Low Temperature: (-60 to 180) °C, ± 2 °C  
Humidity: (20 to 95) %RH, ± 4 %RH

MIL-STD-810G

**On the following products or types of products:**

Automotive, Aerospace, Military and Electrical/Electronic/Mechanical components and assemblies.

\*Also using customer-specified methods based on the parameters listed above. Also including but not limited to GMW3172, Ford CEPT:00.00-E-412, and CS 11982.

(A2LA Cert. No. 1123.01) Revised 09/27/2018

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# Accredited Laboratory

A2LA has accredited

## TRIALON CORPORATION

*Burton, MI*

for technical competence in the field of

## Acoustics and Vibration 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 17<sup>th</sup> day of July 2018.

A handwritten signature in black ink, appearing to read "L. Sen", written over a horizontal line.

President and CEO  
For the Accreditation Council  
Certificate Number 1123.01  
Valid to May 31, 2020

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