



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

TRIALON CORPORATION
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MECHANICAL

Valid To: September 30, 2022

Certificate Number: 1123.11

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.

Test Type	Test Parameters	Test Methods/Standard
High/Low/Cyclic Temperature without Humidity ¹	(-50 to 150) °C	Including but not limited to the following: EPS-24126248 EPS-24138553
Temperature Capability with Humidity ¹	(-50 to 150) °C (30% to 95%) RH	Including but not limited to the following: EPS-24126248 EPS-24138553
Thermal Shock ¹	(-50 to 150) °C Air to Air	Including but not limited to the following: EPS-24126248 EPS-24138553
Force ¹	Up to 100 kN	Including but not limited to the following: EPS-24126248 EPS-24138553

Test Type	Test Parameters	Test Methods/Standard
Microscopic Evaluation/Visual Examination/Microsection Analysis (Cross Sectioning) ¹	(3x to 10,000x)	IPS-TM-650 (methods 2.1.1, 2.1.2, 2.1.5, and 2.1.10)
Real Time X-Ray Case Depth Depth of Decarburization Grain Size Inclusion Ratings By Image Analysis Intergranular Corrosion Macro – Etching Micro – Etching Plating Thickness Optical Microscopy SEM/EDS		
Rockwell Hardness Series 500 ¹ LECO Hardness DM400-DTF		ASTM E18
Gravel Impact ¹	Including but not limited to the following: EPS-24126248	
Dust Exposure ¹	Including but not limited to the following: EPS-24126248 EPS-24138553	
Chemical Resistance ¹	Including but not limited to the following: EPS-24126248 EPS-24138553	

I. Dimensional Testing

Parameter	Range	Technique/Method
Linear (1D) ¹	Up to 10 inches (+/- .0004in.)	Micrometers/ASME B18.3 and per Customer Requirements
	Up to 8 inches (+/- .0001in.)	Optical Multi Sensor/Digital Microscope/ASME B18.3 and per Customer Requirements
	40in. x 48in. x 24in. (+/- .0005in.)	Coordinate Measurement Machine (CMM)
Angle ¹	Up to 360 degrees (+/- 0.5 degrees)	Optical Multi Sensor/Digital Microscope + CMM/ASME B18.3 and per Customer Requirements
Radius ¹	0.005 to 4.00 inches (+/- 0.001in.)	Optical Multi Sensor/Digital Microscope + CMM/ASME B18.3 and per Customer Requirements

¹Also using customer specified methods directly related to the types of tests and parameters listed.





Accredited Laboratory

A2LA has accredited

TRIALON CORPORATION

Auburn Hills, MI

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 8th day of September 2020.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1123.11
Valid to September 30, 2022

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