SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AGM CON-TEST
116 Viceroy Road
Building C, Units 11-12
Concord, Ontario, Canada L4K 2M3
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MECHANICAL

Valid To: July 31, 2024 Certificate Number: 3029.01

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

Test:	**Test Method(s) [1,2]:**
Mechanical Properties	
Tension (≤ 60 klbs)	ASTM E8/E8M
n-Value (Strain Hardening Exponent)	ASTM E646
r-Value (Plastic Strain Ratio)	ASTM E517
Charpy Impact (240 ft-lbs. max, room temperature to -80 °C, -196 °C)	ASTM A370, E23
Bend	ASTM A370, E190, E290
Hardness	
Rockwell (HRB, HRA, HRC, 15T, 15N, 30T, 30N)	ASTM A370, E18, F606; AP-200
Microhardness-Vickers 300 gf, 500gf, 1 kgf, 5 kgf,, 10 kgf	ASTM E92, E384, F606
Microhardness Knoop – 500gf	ASTM E92, E384, F606
Case depth	SAE J423
Metallography	
Preparation of Samples	ASTM E3
Macroetching	ASTM E340, E381
Microetching	ASTM E407
Banding/Orientation of Microstructures	ASTM E1268
Grain Size	ASTM E112 (Comparison Method Only)
Inclusion	ASTM E45
Coating Weights	ASTM A90/A90M, A428/A428M
Thermal Spray Coating Sample Preparation for Metallographic Examination	ASTM E1920
Porosity Evaluation in Thermal Spray Coating	ASTM E2109

Test:	**Test Method(s) [1,2]:**
Fastener Testing	
Wedge and Axial Tensile	ASTM F606
Axial Proof Load (Internal and External Threads)	ASTM F606
Welder Qualifications/Weld Process Qualification	Using the methods listed above in accordance with ASME Section VIII, IX; AWS D17.1/D17.1M
Failure Analysis	Using the methods listed above in accordance with the ASM Handbook Volume 11
Adhesion/Cohesion Test for Thermal Spray Coatings	ASTM C633
Chemical	
Chemical Analysis of Alloys with Optical Emission Spectroscopy (OES) Fe Based Alloys	ASTM E415; ASTM E1999; ASTM E1086

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

[2] The laboratory is accredited for the test methods listed above. The accredited test methods are used along with the guidance documents and material specifications listed below:

API 5CT;
ASME QW-462.1;
ASTM A463, A653, E6

However, the inclusion of these guidance documents and material specifications on this Scope does not confer laboratory accreditation to the guidance documents and material specifications. Inclusion of these on this Scope also does not confer accreditation for every method embedded within them. Only the methods listed above on this Scope are accredited.

Accredited Laboratory

A2LA has accredited

AGM CON-TEST

Concord, 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 20th day of September 2022.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3029.01
Valid to July 31, 2024

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