



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CONSTELLATION TECHNOLOGY CORPORATION

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 Largo, FL 33777-1498
 Bill Swartz Phone: 727 547 0600

MECHANICAL

Valid To: December 31, 2018

Certificate Number: 1171.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on: fasteners; adhesives and sealants; coatings; metals and alloys; paint, pigment and related surface coatings; plastics, polymers and resins:

<u>Test</u>	<u>Test Method(s)</u>
Hardness	
Durometer (Shore A, D, M)	ASTM D2240
Rockwell & Superficial (A, B, C, E, N, T)	ASTM E18, F606, F606M; AMS 2658
Microhardness	ASTM B578, E384
(HV 100, 200, 300, 500g)	
(HK 100, 200, 300, 500g)	
Tensile, Yield, Elongation, Reduction of Area (Room Temperature)	ASTM A370, E8
Axial Tensile	ASTM F606, F606M
Discontinuities	ASTM F788, F788M, F812, F812M
LAP Shear	ASTM D1002
Plating Thickness	ASTM B487, B748
Coating Adhesion	ASTM D3359
Passivation of Stainless Steel, Copper Sulfate Test	ASTM A380 (Paragraph 7.2.5.3)
Metallographic Evaluation	
Grain Size (Comparison)	ASTM E112
Microstructure Evaluation	ASM HBK Vol. 9
Inclusion Content	ASTM E45 (Method A)
Hydrogen Embrittlement	ASTM B577
Depth of Decarburization	ASTM E1077; SAE J121
Macroetch	ASTM E340
Microetch	ASTM E407
Case Depth	ASTM G79 (Methods B & D); SAE J423
Failure Analysis	MM0009; ASM Handbook Vol. 11



Accredited Laboratory

A2LA has accredited

CONSTELLATION TECHNOLOGY CORPORATION

Largo, FL

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 8 January 2009).



Presented this 17th day of February 2017.

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

President and CEO
For the Accreditation Council
Certificate Number 1171.02
Valid to December 31, 2018

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