SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

CONSTELLATION TECHNOLOGY CORPORATION
7887 Bryan Dairy Road, Suite 100
Largo, FL 33777-1498
Donna Swartz Phone: 727 547 0600

MECHANICAL

Valid To: December 31, 2024 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:

Test	Test Method(s)
Hardness	
Durometer (Shore A, D, M)	ASTM D2240
Rockwell & Superficial (A, B, C, E, N, T)	ASTM E18, F606, F606M
Microhardness	ASTM B578, E384
(HV 300, 500g)	
(HK 300, 500g)	
Scanning Electron Microscopy (SEM)	MM0005[1], ASTM B748
Tensile, Yield, Elongation, Reduction of Area (Room Temperature)	ASTM A370, E8
LAP Shear	ASTM D1002
Plating Thickness	ASTM B487, B748
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)
Depth of Decarburization	ASTM E1077, F2328; SAE J121[2] (cancelled January 2013)
Macroetch	ASTM E340
Microetch	ASTM E407
Case Depth	ASTM G79 (Method B); SAE J423
Failure Analysis	MM0009[1]; ASM Handbook Vol. 11
Optical Microscopy	MM0020[1]

[1]In-house method

[2]NOTE: This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

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 17025:2017 *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 November 2022.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 1171.02
Valid to December 31, 2024

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