



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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

CHEMICAL

Valid To: December 31, 2018

Certificate Number: 1171.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on: adhesives and sealants; clay, ceramic and related products; coatings; metals and alloys; ore and minerals; paint, pigment and related surface coatings; petroleum products (lubricant/solvent); pickling and plating solutions; plastics, polymers and resins:

<u>Test</u>	<u>Test Method(s)</u>
<u>Spectroscopy</u>	
Atomic Emission (ICP)	ASTM D1971 (Method B), D5185, E1479, E1613, F963, F3139; AL0025*; CPSC-CH E1001, E1002, E1003
Wavelength Dispersive X-Ray Fluorescence	AL0024*; ASTM E572, E1085, E1621, E2465
X-Ray Diffraction	AL0067* (Qualitative)
Fourier Transform Infrared Spectroscopy (FTIR)	ASTM E334, E1252 (Qualitative)
Energy Dispersive Spectroscopy (EDS)	ASTM E1508
<u>Microscopy</u>	
Scanning Electron Microscopy (SEM)	MM0005*; ASTM B748
<u>Chromatography</u>	
Ion Chromatography	ASTM D4327; IPC-TM-650 (Section 2.3.28)
Gas Chromatography/Mass Spectrometry (GC/MS)	ASTM D4128; CPSC-CH-C1001
Gas Chromatography	ASTM E260
<u>Wet Chemistry Measurements</u>	
Karl Fischer Moisture	ASTM E203
<u>Thermal Analysis</u>	
Differential Scanning Calorimetry (DSC)	ASTM E794, D3418
Thermogravimetric Analysis (TGA)	ASTM E1131
Thermomechanical Analysis (TMA)	ASTM E831
<u>Combustion/Fusion Elemental Analysis</u>	
Carbon, Sulfur, Nitrogen, Oxygen	ASTM E1019
Hydrogen	ASTM E1447
<u>Miscellaneous</u>	
Density	ASTM D792

* In-house method

(A2LA Cert. No. 1171.01) 02/17/2017

Page 1 of 1



Accredited Laboratory

A2LA has accredited

CONSTELLATION TECHNOLOGY CORPORATION

Largo, FL

for technical competence in the field of

Chemical 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 1171.01
Valid to December 31, 2018

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