



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ST. LOUIS TESTING LABORATORIES, INC.
A SUBSIDIARY OF
INDUSTRIAL INSPECTION & ANALYSIS, INC.
2810 Clark Avenue
St. Louis, MO 63103
Don Baumer Phone: 314 531 8080

CHEMICAL

Valid To: July 31, 2025

Certificate Number: 397.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory for tests on the following products and materials: steel, stainless steel, aluminum and alloys, brass and bronze, copper and alloys, titanium, zinc coating, nickel and cobalt alloys, polymers, paint, metallic coatings, polymer coatings, glass and ceramic materials^{0F1}.

<u>Test Technologies</u>	<u>Test Method(s)</u>
ICP-AES (Alloys and Lead)	ASTM F963 (Section 4.3.5.1(2)), ASTM E1613, ASTM E2594; ICP-SLTL-002 (Rev. 1) ^{1F2} ; 16 CFR Part 1303; CPSC-CH-E1001-08, CPSC-CH-E1002-08, CPSC-CH-E1003-09
Gas Chromatography Mass Spectrometry	CPSC-CH-C1001-09.4; 16 CFR Part 1308
X-Ray Fluorescence Spectroscopy (XRF, PMI)	ASTM E2119, ASTM E572; 16 CFR Part 1303
Optical Emission Spectroscopy of Steel Alloys, Stainless Steels, Cast Iron, Aluminum Alloys (Al, Ar, B, Be, Bi, Bo,	ASTM E415, ASTM E1086, ASTM E1999,

¹ The Consumer Product Safety Improvement Act (CPSIA) requires that every children's product subject to a federal consumer product safety requirement be tested by a Consumer Product Safety Commission (CPSC) accepted laboratory for compliance with the applicable federal children's product safety requirements. Accreditation by A2LA does not infer acceptance by the CPSC. Please verify this organization's acceptance status by using the CPSC's searchable database, located at <http://www.cpsc.gov/cgi-bin/labsearch/>.

² In-house method using modified ASTM E2594.

<u>Test Technologies</u>	<u>Test Method(s)</u>
C, Ca, Co, Cr, Cu, Fe, Ga, Li, Mg, Mn, Mo, N, Na, Nb, Ni, P, Pb, S, Sb, Si, Sn, Sr, Ti, V, Zn, Zr)	ASTM E1251
Standard Test Method for Analysis of High Manganese Steel by Spark Atomic Emission Spectrometry	ASTM D2209
Standard Practice for Sampling of Zinc and Zinc Alloys for Analysis by Spark Atomic Emission Spectrometry	ASTM E634
Standard Test Method for Analysis of Nickel Alloys by Spark Atomic Emission Spectrometry	ASTM E3047
Standard Test Method for Analysis of Titanium and Titanium Alloys by Spark Atomic Emission Spectrometry and Glow Discharge Atomic Emission Spectrometry (Performance-Based Method	ASTM E2994
Standard Test Methods for Chemical Analysis of Copper Alloys	ASTM E478
Combustion Analysis (C and S)	ASTM E1019
Standard Test Method for Ignition Loss of Cured Reinforced Resins	ASTM D2584
SEM/EDS	ASTM E1508
Fourier Transform Infrared Spectroscopy	ASTM E1252
Thermographic Analysis	ASTM D6370
Differential Scanning Calorimetry	ASTM D3418
Cathodic Disbondment	ASTM G95
Coating Permeability	ASTM E96/E96M
Coating Adhesion	ASTM D4541
Soluble Migrated Elements	ASTM F2075 (Sections 4.5.2 and 8)
Soluble Element Test	ASTM F963-17 (Sections 4.3.5.1 (2), 4.3.5.2, and 8.3)
pH	ASTM D1293; SM 4500H + B, 19th Ed.
Lead in Drinking Water	EPA 200.8

<u>Test Technologies</u>	<u>Test Method(s)</u>
Standard Practice for Proof Silver Corrections in Metal Bearing Ores, Concentrates, and Related Materials by Fire Assay Gravimetry	ASTM E2994
Turbidity	SM 2130B, 23rd Ed.





Accredited Laboratory

A2LA has accredited

ST. LOUIS TESTING LABORATORIES, INC. A SUBSIDIARY OF INDUSTRIAL INSPECTION & ANALYSIS, INC.

St. Louis, MO

for technical competence in the field of

Chemical 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 3rd day of October 2023.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 397.01
Valid to July 31, 2025

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