



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Materion Buffalo Analytical Laboratory
2978 Main Street
Buffalo, NY 14214

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 21 February 2027

Certificate Number: L2313



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Materion Buffalo Analytical Laboratory

2978 Main Street
Buffalo, NY 14214

Jason Thornton, Ph.D.

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716-380-0514

TESTING

Valid to: **February 21, 2027**

Certificate Number: **L2313**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Elemental concentrations from 0.05% to 100%	DOC-213128, DOC-209033, DOC-213131, DOC-208578, DOC-208583, DOC-208587, DOC-208588, DOC-208589, DOC-208590, DOC-213137, DOC-213133, DOC-208816, DOC-213409, DOC-213412, DOC-213408, DOC-213135	Metals and Metal Alloys, Solutions	ICP-OES
Trace Constituents and Impurities	DOC-209033, DOC-213130, DOC-213137, DOC-208583, DOC-208579, DOC-208816, DOC-213137	Metals and Metal Alloys, Solutions	ICP-OES
Trace Constituents and Impurities	DOC-213129	Metals and Metal Alloys	GD-MS
Carbon and Sulfur Determination (1 to 50 000 ppm by weight)	DOC-213127, DOC-208576	Metals and Metal Alloys	Combustion (C/S)
Oxygen and Nitrogen Determination (1 to 50 000 ppm by weight)	DOC-213331, DOC-213155	Metals and Metal Alloys	IGA (O/N)
Hydrogen Determination (0.1 to 100 ppm by weight)	DOC-208328	Metals and Metal Alloys	IGA (H)
Alpha Particle Count /Radioactivity (0.02 to 158 400 alpha particles/cm ² /h)	DOC-208838	Flat metal products	Alpha Counting System
Metallographic Grain Size (2.5 to 32 000 μm)	ASTM E112	Metals Metal Alloys, Ceramics and Metal products	Optical Microscope (25X to 1000X)

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Metallographic Duplex Grain Sizes (2.5 to 32 000 µm)	ASTM E1181	Metals Metal Alloys, Ceramics and Metal products	Optical Microscope (25X to 1000X)
Coating Thickness	ASTM B487	Metals Metal Alloys, Ceramics and Metal products	Optical Microscope (25X to 1000X)
Salt Fog/Corrosion	MIL-STD-883 Method 1009.8, DOC-208790	Plated metal products	Salt Fog Chamber
Fire Assay Au, Ag, Pd, Pt (0.02 to 100 % by weight)	ASTM E1335 DOC-208748, DOC-213407, DOC-213467, DOC-213411, DOC-213135, DOC-208554, DOC-213413, DOC-213408, DOC-213410, DOC-208546, DOC-213405, DOC-213406, DOC-213167, DOC-213165	Metals, Alloys, Sweeps, recycling streams and refining solutions	Fire Assay (Gravimetric, ICP-OES)
Screening Test	DOC-213408, DOC-208546	Metals and Metal Alloys	Energy Dispersive XRF (X-Ray Fluorescence)
Spatter Test (Qualitative Visual)	DOC-213126, DOC-213136 DOC-215633	Metal Alloys	Tube Furnace
Cleanliness (0.25% Maximum Affected Area, developed in house for customer product performance)	DOC-213134	PVD Materials	SEM-Backscatter/Image Analysis
Elemental concentrations from 0.005% to 100%	DOC-213144	Metal Alloys	Wavelength Dispersive XRF

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2313.



Jason Stine, Vice President