



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Materion Buffalo Analytical Laboratory
2978 Main Street
Buffalo, NY 14214

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the field of

TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of tests to which this accreditation applies.

L2313

Certificate Number



ANAB Approval

Certificate Valid: 04/20/2018-02/21/2021
Version No. 002 Issued: 04/20/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005

Materion Buffalo Analytical Laboratory

2978 Main Street
Buffalo, NY 14214
James Kaufman 716 446 2207

TESTING

Valid to: **February 21, 2021**

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
ICP-OES	Q-0262, Q-0265, Q-0306, Q-0621, Q-0627, Q-0628, Q-0688, Q-0692, Q-0695, Q-0696 Q-0764, L-0612, L-0811	Metals and Metal Alloys	Alloys from 100% down to 0.05%
ICP-OES	Q-0303, Q-0306 Q-0625, Q-0305	Metals and Metal Alloys	Trace Constituents and Impurities
ICP-MS	Q-0631	Metals and Metal Alloys	Trace Constituents and Impurities
GD-MS	Q-0278, Q-0719	Metals and Metal Alloys	Trace Constituents and Impurities
Carbon and Sulfur Determination	Q-0263	Metals and Metal Alloys	(1 to 50 000) ppm by weight
Oxygen and Nitrogen Determination	Q-0264	Metals and Metal Alloys	(1 to 50 000) ppm by weight
Hydrogen Determination	Q-0705	Metals and Metal Alloys	(0.1 to 100) ppm by weight
Alpha Particle Count (Radioactivity)	Q-0254	Flat metal products	(0.02 to 158 400) alpha particles/cm ² -h
DSC (Differential Scanning Calorimeter)	Q-0299	Metals and Metal Alloys	(25 to 1 400) °C
Metallographic Grain Size	ASTM E112	Metals Metal Alloys, Ceramics and Metal products	(2.5 to 32 000) μm
Metallographic Duplex Grain Sizes	ASTM E1181	Metals Metal Alloys, Ceramics and Metal products	(2.5 to 32 000) μm
Metallographic Inclusion Content	ASTM E45	Metals Metal Alloys, Ceramics and Metal products	

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Coating Thickness	ASTM B487	Metals Metal Alloys, Ceramics and Metal products	
Salt Fog	MIL-STD-883 Method 1009.8,	Plated metal products	Visual
Fire Assay	ASTM E1335 L-0610, L-0614, L-0809,	Metals, Alloys, Sweeps, recycling streams and refining solutions	Au, Ag, Pd, Pt (0.02 to 100) % by weight
XRF (X-Ray Fluorescence)	L-0808	Metals and Metal Alloys	Screening Test
Spatter Test	Q-0239	Metal Alloys	Tube Furnace Qualitative
SEM-Backscatter/Image Analysis	Q-0865 & Q-0876	PVD Materials	In-house developed procedure focused on customer product performance 0.25% Maximum Affected Area

Note:

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



Vice President