



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Materion Milwaukee Analytical Laboratory
407 N 13th Street
Milwaukee, WI 53233

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 read 'R. Douglas Leonard Jr.', is positioned above a solid horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 21 May 2024
Certificate Number: L2318



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 Milwaukee Analytical Laboratory

407 N 13th Street
Milwaukee, WI 53233
Todd Helwig 414 289 9800 ext. 210252
todd.helwig@materion.com

TESTING

Valid to: **May 21, 2024**

Certificate Number: **L2318**

Chemistry

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
ICP-MS trace component	P-0197	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	ICP-MS
ICP-OES principle component	P-0148	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	ICP-OES
ICP-OES trace impurities	P-0140	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	ICP-OES
AAS principle component	P-0500	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	AAS
AAS trace impurities	P-0449	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	AAS
X-ray Diffraction phase purity determination	P-0273	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	XRD
DC-Arc Emission Spectrograph trace impurities	P-0147	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	DC-Arc
Carbon Determination principle component	P-0151	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	LECO
Carbon and Sulfur Determination trace impurities	P-0150	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	LECO
Oxygen and Nitrogen Determination trace impurities	P-0332 WI-0935	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	LECO

Chemistry

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Gravimetric Analysis	WI-0873 WI-0864 WI-0870 WI-0945 WI-0946 WI-0947	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Wet Chemistry
Kjeldahl Percent Nitrogen	WI-0015 WI-0939	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Kjeldahl distillation
ISE	WI-0951 WI-0952	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Potentiometry
Titrimetric	WI-0955	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Titrimetry
Surface Area Analysis	P-0149	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Quantachrome SA
Particle Size Analysis	P-0139	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Microtrac
Apparent (Scott) Density	WI-0959 ASTM B329	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Density

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2318.



R. Douglas Leonard Jr., VP, PILR SBU