



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

### Materion Milwaukee Analytical Laboratory

407 N 13<sup>th</sup> Street  
Milwaukee, WI 53233

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

## ISO/IEC 17025:2017

while demonstrating technical competence in the field of

## TESTING

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

L2318

Certificate Number

  
ANAB Approval

Certificate Valid Through: 05/21/2021  
Version No. 005 Issued: 01/23/2020



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).



# ANSI National Accreditation Board

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

### Materion Milwaukee Analytical Laboratory

407 N 13<sup>th</sup> Street

Milwaukee, WI 53233

Todd Helwig 414 289 9800 ext. 210252

todd.helwig@materion.com

### TESTING

Valid to: **May 21, 2021**

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-0135	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	AAS
AAS trace impurities	P-0135	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
Gravimetric Analysis	WI-0873 WI-0864 WI-0870 WI-0945 WI-0946 WI-0947	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Wet Chemistry



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## Chemistry

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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
APS – Fisher Number	P-0142 ASTM B330	Inorganic Chemicals, Metals, Metal Alloys, Ceramics	Fisher sub-sieve sizer
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.

Vice President