



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MCCRONE ASSOCIATES, INC.  
850 Pasquinelli Drive  
Westmont, IL 60559  
Kent L. Rhodes Phone: 630-887-7100

CHEMICAL

Valid To: September 30, 2024


Certificate Number: 3631.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests in conformance with applicable *U.S. FDA Good Manufacturing Practice Standard (GMP)* and *Good Laboratory Practice (GLP) Regulations* per 21 CFR 58, 210, 211, and 820 on suitable samples and materials, including, but not limited to, metals and alloys; plastics and polymers; glass; paper and wood; ceramics; composites; and rocks and minerals. Applications include, but are not limited to, pharmaceuticals; medical devices; food and beverage; personal care products; paints, inks, and pigments; thin-films and coatings; packaging and containers; semiconductors and electronics; and surface chemistry and treatments.

<u>Test:</u>	<u>Test Technology:</u>	<u>Test Method(s):</u>
Material Isolation, Manipulation, Characterization, and Imaging in a Cleanroom Environment	Filtration and Micromanipulation	SOP-CLM-0001, -0002; ISO 14644
	Optical Microscopy	SOP-ALM-0003, -0004, -0006
	Polarized Light Microscopy (PLM)	SOP-ALM-0002, -0004, -0006
Characterization, Identification, and Imaging of Materials	Scanning Electron Microscope (SEM)	SOP-EOG-0004, -0005, -0007, -0008, -0012, -0018
	Electron Backscatter Diffraction Analysis (EBSD)	SOP-EOG-0019
	Energy Dispersive X-Ray Spectrometry (EDS)	SOP-EOG-0003, -0009, -0013
	Direct Analysis Real Time – Time of Flight Mass Spectrometry (DART-TOF-MS)	SOP-CHM-0018
	Fourier Transform Infrared Spectroscopy (FTIR)	SOP-CHM-0008, -0009

<b><u>Test:</u></b>	<b><u>Test Technology:</u></b>	<b><u>Test Method(s):</u></b>
Characterization, Identification, and Imaging of Materials ( <i>cont.</i> )	Gas Chromatography Mass Spectrometry (GCMS)	SOP-CHM-0016, -0017
	Liquid Chromatography Tandem Mass Spectrometry (LCMSMS)	SOP-CHM-0013, -0014
	Optical Microscopy	SOP-ALM-0003, -0004, -0006
	Polarized Light Microscopy (PLM)	SOP-ALM-0002, -0004, -0006
	Raman Spectroscopy	SOP-CHM-0004
	X-ray Photoelectron Spectrometry (XPS)	SOP-EOG-0022
	X-Ray Diffraction Spectrometry (XRD)	SOP-CHM-0010
Characterization, Identification, and Isotope Analysis of Complex Minerals and Particles <sup>1</sup>	Secondary Ion Mass Spectrometry (SIMS)	SOP-EOG-0020
	Thermal Ionization Mass Spectrometry (TIMS)	SOP-TPA-0025
Determination of Particulate Matter in Injectable and Ophthalmic Solutions	Microscopic Particle Count Test	SOP-CLM-0006; USP: <788>, <789> Method 2
Characterization of Crystalline and Partially Crystalline Solids by X-Ray Powder Diffraction (XRPD)	X-Ray Diffraction Spectrometry (XRD)	SOP-CHM-0010, -0011; USP: <941>
Detection of High Explosive Compounds	Liquid Chromatography Tandem Mass Spectrometry (LCMSMS)	SOP-CHM-0013, -0014, -0015
Measurement of Isotope Composition <sup>1</sup>	Secondary Ion Mass Spectrometry (SIMS)	SOP-TPA-0030
	Thermal Ionization Mass Spectrometry (TIMS)	SOP-TPA-0025

<sup>1</sup> Not commercially available





# Accredited Laboratory

A2LA has accredited

**MCCRONE ASSOCIATES, INC.**

*Westmont, IL*

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 15<sup>th</sup> day of September 2022.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3631.01  
Valid to September 30, 2024

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