



Accredited Laboratory

A2LA has accredited

EMSL ANALYTICAL, INC.

Cinnaminson, NJ

for technical competence in the field of

Mechanical 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 24th day of July 2024.

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 2845.16
Valid to July 31, 2026

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
Nicholas Straccione Phone: 856 303 2550

MECHANICAL

Valid To: July 31, 2026

Certificate Number: 2845.16

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on Metals, Metal Fasteners, and Rubber Latex:

<u>Internal Procedure</u>	<u>Test</u>	<u>Test Method(s)</u>
MS-SOP-202-1	Compatibility of Personal Lubricants with Condoms	ASTM D7661
MS-SOP-02-1	Epstein Frame Magnetic Test	ASTM A343
MS-SOP-200-3	Hardness Rockwell Hardness (C, B, A)	ASTM E18, F606
MS Measurement of Coating Thickness by Scanning Electron Microscopy	Metallurgical SEM	ASTM B748
MS Quantitative Analysis by Energy Dispersive X-Ray Spectroscopy	Metallurgical SEM/EDS	E1508
MS Tensile Test of Metallic Material	Tension Ambient Environment (150 MPa)	ASTM E8, A370
MS-SOP-400-1	Carbon and Sulfur by Combustion (LECO)	ASTM E1019 ASTM E1941
MS-SOP-803-1	Explosion Severity/Go-No Go	ASTM E1226
MS-SOP-403-2	ICP-MS: Ag, Al, B, Bi, Co, Cr, Cu, Fe, Ga, Mg, Mo, Nb, Ni, P, Pb, S, Sb, Si, Sn, Ti, Tl, W, V	ASTM E2823-Mod
MS-SOP-404-2	ICP-OES: Ag, Al, B, Bi, Cd, Co, Cr, Cu, Fe, Ga, Mg, Mo, Nb, Ni, P, Pb, S, Sb, Si, Sn, Ti, Tl, W, V, Zn	ASTM E2823-Mod SW EPA 6010D

<u>Internal Procedure</u>	<u>Test</u>	<u>Test Method(s)</u>
MS-SOP-804-1	Layer Ignition Temperature	ASTM E2021
MS-SOP-801-1	Minimum Explosion Concentration	ASTM E1515
MS-SOP-802-1	Minimum Ignition Energy	ASTM E2019
MS-SOP-800-1	Minimum Ignition Temperature (Dust Cloud)	ASTM E1491
MS-SOP-402-1	Optical Emission Spectrochemical (OES) Analysis (Steel: Ni alloys, Al alloys) Ag, Al, Ba, C, Ca, Cd, Cl, Co, Cr, Cu, Fe, K, Mg, Mn, Mo, N, Na, Ni, O, P, Pb, S, Sb, Si, Sn, Ti, V, W, Zn, Zr	ASTM E415
MS-SOP-R2	Total Organic Carbon in Water and Wastewater; Persulfate Oxidation Method	SM 5310C
MS-SOP-01-1	X-Ray Diffraction (XRD)	-----
MS-SOP-401-1	X-Ray Fluorescence (XRF) Spectrochemical Analysis Ag, Al, As, Br, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, S, Sb, Se, Si, Sn, Sr, Ti, V, Zn	ASTM A751 ASTM E322 ASTM E1621 ASTM E1085

