



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Lucideon M+P
2190 Technology Drive
Schenectady, NY 12308

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 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 21 April 2028

Certificate Number: L2287



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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TESTING

ISO/IEC 17025 Accreditation Granted: **23 March 2026**

Certificate Number: **L2287**

Certificate Expiry Date: **21 April 2028**

Chemical

Specific Tests and / or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials, or Product Tested	Key Equipment or Technology
Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES)	ASTM E1479 ASTM E225 CHM1097 CHM1004 CHM1018 CHM1019 CHM1020 CHM1077 CHM1078	Metals, Alloys	Spectro ARCOS ICP-OES
Carbon / Sulfur Combustion Analysis	ASTM E1019 CHM1029	Metals, Alloys	LECO C / S Analyzer
Fourier Transform Infrared Spectroscopy (FTIR)	ASTM D3677 CHM1060 CHM1092	Organics, Polymers, Elastomers	Thermo Scientific Nicolet iS-10 and Continuum Microscope
Ion Chromatography	ASTM D4327 CHM1000	Inorganics	Thermo Scientific IC System
Thermo-Mechanical Analysis (TMA)	ASTM E831 CHM1081 CHM1098	Organics, Polymers, Elastomers, Metals, Composites	TA Instruments Q400 TMA
Differential Scanning Calorimetry (DSC): Glass Transition, Melt, and Recrystallization Temperatures	ASTM D3418 ASTM E1356 ASTM E794 CHM1084	Organics, Polymers, Elastomers, Composites	TA Instruments Q100 DSC / MDSC

Chemical

Specific Tests and / or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials, or Product Tested	Key Equipment or Technology
Thermo-Gravimetric Analysis - Differential Scanning Calorimetry (TGA-DSC) and Thermo-Gravimetric Analysis - Differential Thermal Analysis (TGA-DTA)	ASTM E1356 ASTM E794 CHM1113	Organics, Polymers, Elastomers, Metals, Composites	TA Instruments Simultaneous Differential Scanning Calorimeter / Thermo Gravimetric Analyzer
Viscosity - Brookfield	ASTM D1824 ASTM D2196 CHM1072	Liquids	Brookfield Digital Viscometer LV and RV
Density - Solids	ASTM D792 ASTM B311 CHM1028 CHM1111	Polymers, Composites, Metals	Mettler Toledo Scales
pH (0 to 14)	ASTM E70 ASTM D1293 ASTM D5464 ASTM D664 CHM1007	Aqueous Liquids	Probe, Solution
Solids (Dissolved, Total, Suspended)	Standard Methods for the Examination of Water and Wastewater, 17th Ed., 1989, Method 2540 CHM1045 CHM1046 CHM1052	Aqueous Liquids	Mettler Toledo Scales

Mechanical Testing

Specific Tests and / or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials, or Product Tested	Key Equipment or Technology
Shore Hardness (20 to 90) A, D (0 to 100) M	ASTM D2240 ASTM D618 ASTM D1414 MCH1078	Polymers, Elastomers	PTC Ergo Style Durometer Type A and Type D Shore Micro O-Ring Tester
Rockwell Hardness (63 to 82) A (50 to 94) B (25 to 63) C (77 to 97) E (61 to 95) F (90 to 118) M	ASTM E18 ASTM D785 MCH1006 MCH1058	Metals, Alloys, Polymers	Wilson Rockwell Hardness Tester (Indirectly Verified Only)
Brinell Hardness (11 to 158) HBW/P 500/10 (67 to 945) HBW/P 3000/10 Full Scale	ASTM E110 MCH1005	Metals, Alloys	Portable Hardness Testers
Microindentation Hardness Knoop, Vickers	ASTM E384 MLG1008 ASTM E92 MLG2000	Metals, Alloys	LECO® LM-248AT with Full Range of Certified Hardness Standards
Effective Case Depth	SAE J423 MLG1016	Metals, Alloys	Knoop, Vickers
Macroetch / Evaluation	ASTM E340 MLG1025	Metals, Alloys	Various Etchants
Metallographic Preparation	ASTM E407 ASTM E3 MLG1000 MLG1001 MLG1002 MLG1003 MLG1049	Metals, Alloys	Various Etchants with Struers/Buehler and Allied Equipment
Microstructural Evaluation	ASTM E407 ASTM E3 SAEJ423 MLG1016 IA1044 IA1050	Metals, Alloys	Leitz / Zeiss / Leica / Sony / Nikon image acquisition systems with Bruker Espirit / Clemex PE / Leica LAS Image Analysis Software
Alpha Case Depth	P3TF19 P3TF32 MLG1052	Titanium Alloys	Metallurgical Microscope (25X to 1000X magnification)

Mechanical Testing

Specific Tests and / or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials, or Product Tested	Key Equipment or Technology
Grain Size	ASTM E112 ASTM E930 ASTM E1181 MLG1017 MLG1069	Metals, Alloys	Leitz / Zeiss / Leica / Sony / Nikon image acquisition systems with Bruker Espirit / Clemex PE / Leica LAS Image Analysis Software
Intergranular Attack / Intergranular Oxide	P3DAG1 P29TF73 MLG1029	Metals, Alloys	Zeiss EVO50 VP Capable SEM
Weld Evaluation	AWS D17.1 MLG1058	Metals, Alloys	Microscope with Digital Camera and Calibrated Image Software
Failure Analysis	<i>ASM Metal Handbook</i> , 9th Ed., Vol 11	Utilizing Test Methods in this Scope of Accreditation	Leitz / Zeiss / Leica / Sony / Nikon image acquisition systems with Bruker Espirit / Clemex PE / Leica LAS Image Analysis Software



Jason Stine, Vice President