



Laboratory
Accreditation
Bureau

Certificate of Accreditation

ISO/IEC 17025:2005

Certificate Number L2287

The M&P Lab, Inc.
2210 Technology Drive
Schenectady, NY 12308

has met the requirements set forth in L-A-B's policies and procedures, and all requirements of ISO/IEC 17025:2005
"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 January 2009).

Accreditation valid through April 21, 2014

R. Douglas Leonard, Jr., Managing Director
Laboratory Accreditation Bureau
Presented the 26th of April 2011

*Laboratory Accreditation Bureau is found to be in compliance with ISO/IEC 17011:2004 and recognized by ILAC (International Laboratory Accreditation Cooperation) and NACLA (National Cooperation for Laboratory Accreditation).

Scope of Accreditation For The M&P Lab, Inc.

2210 Technology Drive
Schenectady, NY 12308
Shirley Strickland
518-382-0082

In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **The M&P Lab, Inc.** to perform the following tests:

Accreditation granted through: **April 21, 2014**

Testing - Chemical

Technology	Range, when necessary	Methods Used	Product Types	Remarks
Inductively Coupled Plasma – Optical Emission Spectroscopy (ICP-OES)	Ref AC7101/2	ASTM E1479 CHM1097; CHM1004 CHM1013; CHM1018 CHM1019; CHM1020 CHM1077; CHM1078	Metals, Alloys	
Combustion w/ Infrared Detection (LECO) Carbon/Sulfur	Ref AC7101/2	ASTM E1019; CHM1029	Metals, Alloys	
FTIR		ASTM D3677 CHM1060 CHM1092	Organics Polymers Elastomers	
Ion Chromatography		ASTM D4327; CHM1000	Inorganics	
TMA		ASTM E831 CHM1081	Organics Polymers Elastomers	
DSC: Transition Temp Glass Transition Temp Melt + Xtal Temp		ASTM D3418 ASTM E1356 ASTM E794 CHM1084	Organics Polymers Elastomers	
TGA-DSC TGA-DTA		ASTM E1356 CHM1093	Organics Polymers Elastomers	

Technology	Range, when necessary	Methods Used	Product Types	Remarks
VISCOSITY: Kinematic Brookfield		ASTM D445 ASTM D446 ASTM D1824 ASTM D2196 CHM1001; CHM1072	Liquids	
Specific Gravity Density		ASTM D1122 ASTM D1298 ASTM D792; CHM1002 CHM1028	Liquids	
pH		ASTM E70 ASTM D664 CHM1007	Liquids	
Copper Purity (Electrodeposition, Gravimetry)		ASTM E53 CHM1024	Copper Metal	
Solids (Dissolved, Total, Suspended)		NCASI Technical Bulletin No. 291, National Council of the Paper Industry for Air and Stream Improvement CHM1045; CHM1046 CHM1052	Liquids	Standard Methods for the Examination of Water and Wastewater
Beilstein		D.J. Pasto, C.R. Johnson, Organic Structure Determination- Prentice-Hall + R.L. Shriner, The Systematic Identification of Organic Compounds, 6th Ed., John Wiley & Sons CHM1017	Solid + Liquid Organics	
Flash Point		ASTM D92 CHM1066	Liquids	

Testing – Mechanical

Technology	Range, when necessary	Methods Used	Product Types	Remarks
Shore A + D Hardness		ASTM D2240 CHM1058	Polymers Elastomers	
Rockwell Hardness		ASTM E18 ASTM D785 MCH1006; MCH1058	Metals, Alloys Polymers	
Brinell Hardness		ASTM E110 MCH1005	Metals, Alloys	(portable)
RT Tensile		ASTM E8 ASTM D638 ASTM D3039 MCH1001; MCH1016 MCH1049; ELM1072	Metals, Alloys Polymers Composites Thermoset Laminates	
ET Tensile		ASTM E21 MCH1000	Metals, Alloys Polymers Composites	
Creep Stress Rupture		ASTM E139 ASTM E292 C&R1001	Metals, Alloys	
Charpy Impact		ASTM E23 MCH1002	Metals, Alloys	
Bend Testing of Welds		ASTM E190 MCH1008	Metals, Alloys	
Flexural Testing		ASTM D790 ASTM D6272 ASTM C1161 MCH1012 MCH1063; MCH1064	Metals, Alloys Polymers Ceramics	
Compression Testing		ASTM E9 ASTM D695 MCH1004; MCH1042	Metals, Alloys	
Shear Testing		ASTM D5379 ASTM D3518 MCH1043	Metals, Alloys Polymers	
Hardness, Microindentation	Knoop, Vickers	ASTM E384 MLG1008	Metals, Alloys	
Effective Case Depth		SAE J423 MLG1016	Metals, Alloys	Knoop, Vickers



Technology	Range, when necessary	Methods Used	Product Types	Remarks
Macroetch / Evaluation		ASTM E340 MLG1025	Metals, Alloys	
Grain Size		ASTM E112 ASTM E930 ASTM E1181 MLG1017	Metals, Alloys	
IGA / IGO		P3DAG1 P29TF73; MLG1029	Metals, Alloys	
Rx Grain		P3DAG1 P29TF73; MLG1054 MLG1065; MLG1066 MLG1063	Metals, Alloys	
Recast Evaluation		P3DAG1; P29TF73 MLG1054; MLG1065 MLG1066; MLG1062	Metals, Alloys	
Cu Contamination		P3DAG1; MLG1067	Metals, Alloys	
Weld Evaluation		AWS D17.1; MLG1058	Metals, Alloys	
Light Microscopy		MLG1044	Metals, Alloys	
SEM		SEM1000	Metals, Alloys	

Notes:

- 1) This laboratory offers commercial testing service.

Approved by: _____

R. Douglas Leonard
Chief Technical Officer

Date: April 21, 2011

Issued: 4/21/11