



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

IMR TEST LABS  
131 Woodsedge Drive  
Lansing, NY 14882  
Deena Crossmore Phone: 607-533-7000  
deena@imrtest.com

CHEMICAL

Valid to: April 30, 2012

Certificate Number: 1140.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the tests listed below on adhesives, aerospace and automotive products, aluminum alloys, brass & bronze, cables, carbon steel, cast iron, ceramics, coatings, copper alloys, elastomers, fasteners, labels, low alloy steel, nickel, paints, plastics, powder metals, power and hand tools, rubber, stainless steel, thermal spray, superalloys, titanium alloys, zinc alloys, oil and oil products, consumer products, children's products, toys, jewelry and other children's products for total lead content and total lead in surface coatings testing and phthalates in children's products and consumer goods.

TEST:

TEST METHOD:

Spectroscopy

FTIR  
DMA – Direct Mercury Analyzer  
Optical Emission (OES)  
<sup>1</sup>Positive Material Identification (PMI)  
<sup>1</sup>X-Ray Fluorescence (XRF)  
Inductively Coupled Plasma (ICP)

ASTM E1252, E168, E334, E573  
CAP-054  
ASTM A751, E404, E415, E1009, E1086, E1251  
CAP-064  
CAP-061  
ASTM D1976, E34; CAP-017, 16 CFR 1303 (using  
ASTM E1613 and E1645); CPSC SOP for  
Determining Lead in Paint; CPSC-CH-E1001-08  
(Lead in Children's Metal Jewelry)  
CAP-069

X-Ray Fluorescence (XRF)

Combustion Analysis – LECO (C, H, O, N, S)  
Hydrogen (H) in Steel

ASTM E1019, E1409, E1447, E1569, E1941  
CAP-032

Restriction of Hazardous Substances (RoHS)

Hexavalent Chromium  
DMA – Direct Mercury Analyzer  
ICP – Inductively Coupled Plasma  
Ion Chromatography  
Lead Determination by ICP-AES  
<sup>1</sup>X-Ray Fluorescence (XRF)

CAP-065  
ISO 3613; GMW3034; CAP-055  
CAP-054  
ASTM E34; CAP-017  
ASTM D4327, CAP-043  
CAP-052  
CAP-061; CAP-064

TEST:

TEST METHOD:

Phthalate Testing

CPSC-CH-C1001-09.1; Health Canada: Product Safety Laboratory, Method C-34, Part B; CAP-068

Wet Chemistry

Titrimetric  
pH  
Water Absorption  
Conductivity/Resistivity

ASTM D512, D2106, E1584  
ASTM D1293, D2110, D2989, E70  
ASTM D570, D3575 (Suffix L)  
ASTM D1125

Physical Properties

Density/Specific Gravity

ASTM D792 (Method A), B311, D3575 (Suffix W, Method A); ISO 1183

SEM/EDS

ASTM E1508 (Semi-quantitative only)

Gloss

ASTM D523, D4039

Coating Mass / Unit Area

ASTM B767

Coating Weight (Zn)

ASTM A90

Density, Oil Content, and Porosity

ASTM B328; ISO 2738; MPIF 42, 57

Tube Cleanliness

ASTM A254

Ash Content

ASTM D5630; ISO 3451-1

Thermal Analysis

DSC (Differential Scanning Calorimeter)

ASTM D3417-99 (Withdrawn 2004), D3418, D3895, D4591, D5028, E794, E1356; ISO 3146, 11357-3

TGA (Thermogravimetric Analyzer)

ASTM E1131, D6370

TMA (Thermal Mechanical Analyzer)

ASTM E1545, E831

Chromatography

GC/MS

PAP-030, PAP-031

Ion Chromatography

ASTM D4327

Oil Analysis

Viscosity

ASTM D445

Water Content (Karl Fischer)

ASTM E1064

Particle Size Analysis

Laser Light Diffraction (Microtrac)

ASTM B821, B822, C1070

Sieve Analysis

ASTM B214; ISO 4497; MPIF 05

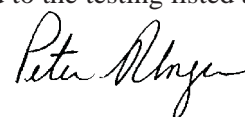
Powdered Metals

Acid Insolubles

MPIF 06

<sup>1</sup>This accreditation also includes on-site testing of these methods.

\*Also using industry and customer driven specifications specifically related to the testing listed above.





The American Association for Laboratory Accreditation

# Accredited Laboratory

A2LA has accredited

## IMR TEST LABS

*Lansing, NY*

for technical competence in the field of

### Chemical Testing

This laboratory is accredited in accordance with the recognized International Standard 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 8 January 2009).

Presented this 19th day of May 2010.



  
\_\_\_\_\_  
President & CEO

For the Accreditation Council  
Certificate Number 1140.02  
Valid to April 30, 2012

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