



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

MSI TESTING & ENGINEERING, INC.
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CHEMICAL

Valid To: December 31, 2012

Certificate Number: 0510.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following testing and analysis:

<u>Test Description</u>	<u>ASTM</u>	<u>SAE</u>	<u>Other</u>
<u>Chemical Lab</u>			
Optical Emission Spectroscopy (OES)			
Steel	E415, A751		
Stainless Steel	E1086, A751		
Aluminum	E1251		
Titanium, Copper, Nickel	E1473		MSi Procedure 1002
Cast Iron	E1999, A751		
High Mn Steel	E2209, A751		
Combustion/Absorption Analysis LECO – C / S / N / O	E1019 E1409, E1941		
Fusion Analysis – Titanium & Steel LECO – Hydrogen	E1447		MSi Proc. 1010
Sample Preparation by Re-melt	E1306		
Graphitic Carbon – Cast Iron	E351		
Inductively Coupled Plasma (ICP)	E1479, E2371		MSi 1006
Hexavalent Chrome			ISO 3613; GMW 3034; DX 900359
Determination of Copper in Unalloyed Copper by Gravimetry. Modified to include alloyed coppers.	E53		
Density of Compacted or Sintered Powder Metallurgy (PM) Products Using Archimedes Principle.	B962		

<u>Test Description</u>	<u>ASTM</u>	<u>SAE</u>	<u>Other</u>
<u>Lead Testing</u>			
Total Lead in Children's Metal Products (Including Children's Metal Jewelry)	E1613		CPSC-CH-E1001-08
Total Lead in Non-Metal Children's Products	E1613		CPSC-CH-E1002-08
Determining Lead in Paint and Other Similar Surface Coatings*	E1613		CPSC-CH-E1003-09, 16 CFR 1303
Preparation of Dried Paint Samples by Hotplate or Microwave Digestion for Subsequent Lead Analysis	E1645		

*Failure analysis using the test methods listed above in accordance with Msi Procedure 5000





The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

MSI TESTING AND ENGINEERING, INC.

Melrose Park, IL

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 23rd day of February 2011.





Peter Abney

President & CEO
For the Accreditation Council
Certificate Number 0510.02
Valid to December 31, 2012

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