



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

METALLURGICAL ENGINEERING SERVICES, INC.
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MECHANICAL

Valid To: September 30, 2012

Certificate Number: 3065.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on metals, polymers, fasteners, aerospace components, paper, rubber, windows/doors, wood, concrete, textiles, ceramics and coatings/composites:

<u>Test</u>	<u>Test Method(s)</u>
FTIR	ASTM E1252
OES (Aluminum and Steel Alloys)	ASTM E415, E1086, E1251
Combustion Analysis of Carbon	ASTM E1019
Metallographic Preparation	ASTM E3
Grain Size	ASTM E112
Inclusion Rating	ASTM E45 (Method A)
Carburization/Decarburization	ASTM E1077
Banding of Microstructure	ASTM E1268
Graphite in Cast Iron	ASTM A247
Plating Coating Thickness	ASTM B487, B748
Case Depth	SAE J423
Macroetching	ASTM E340, E381
Tensile	ASTM A370, B557, D412, D638, E8
Auger	ASTM E827, E1127
Hardness	
Rockwell (A, B, C, E, 15N, 30N, 15T, 30T)	ASTM E18
Brinell	ASTM E10

<u>Test</u>	<u>Test Method(s)</u>
Microhardness (Knoop and Vickers)	ASTM E384
Weld Operator and Weld Procedure Qualification (Using the tests on this plus visual, bend and break tests)	API 1104; AMSE (Section IX); AWS B2.1, B4.0, C1.1, D1.1, D1.2, D1.3, D1.5, D17.1, D17.2
Salt Spray	ASTM B117
SEM	ASTM B748
EDX	ASTM E1508
WDS	JXA-8900 Manual





The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

METALLURGICAL ENGINEERING SERVICES, INC.

Richardson, TX

for technical competence in the field of

Mechanical 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 10th day of September 2010.





President & CEO

For the Accreditation Council
Certificate Number 3065.01
Valid to September 30, 2012

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