



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

METALLURGICAL SOLUTIONS, INC.
 2205 Woodside Boulevard
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 Middletown, OH 45044
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MECHANICAL

Valid To: February 28, 2019

Certificate Number: 2037.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive components, metals, alloys, and coatings:

<u>Test</u>	<u>Test Methods</u>
Hardness	
Rockwell (HRB, HRC, HR30T, & HR30N)	ASTM E18, F606
Brinell Hardness (10/500 Kgf and 10/3000 Kgf)	ASTM E10
Microindentation Hardness	ASTM E384
Vickers and Knoop (50 gf, 300 gf, 500 gf, and 1000 gf)	
Charpy Impact (Up to 240 ft·lbs/325 J at 95°F to -50° F)	ASTM E23
Tensile	ASTM A370, E8
r-Value	ASTM E517
n-Value	ASTM E646
Fastener Tensile (Axial – Load to 60 000 lbs)	ASTM F606
Bond Strength of Thermal Spray Coatings	ASTM C633
Bend Test	ASTM E190, E290
Coating Mass	ASTM A90
Salt Fog	ASTM B117
Weld Examination (Operator & Procedure Qualification)	ASME IX; AWS D1.1/D1.1M, AWS D1.2/D1.2M, AWS D1.6/D1.6M, AWS D1.9/D1.9M, AWS D17.1/D17.1M



Accredited Laboratory

A2LA has accredited

METALLURGICAL SOLUTIONS INC.

Middletown, OH

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 12th day of December 2016.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2037.01
Valid to February 28, 2019

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