



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

RTI LABORATORIES, INC.  
 33080 Industrial Road  
 Livonia, MI 48150  
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MECHANICAL

Valid To: October 31, 2026

Certificate Number: 0570.01

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

<b>Test Parameter</b>	<b>Test Methods</b>
Brinell Hardness (500, 1000, 3000 kg; 10 mm indenter)	ASTM E10
Coating Thickness	ASTM B487
Coating Weight	ASTM A90-/A90M, A428-/A428M
Electron Microscopy (SEM/EDS)	ASTM B748, E986
Environmental Testing: Salt Spray	ASTM B117
Impact Testing (Charpy) Up to 300 ft. lbs	ASTM E23
MacroVickers 10 kgf	ASTM E92
Metallographic Analysis Case Depth Cast Iron Rating Depth of Decarburization Grain Size Inclusion Content Macroetching Microetch	SAE J423 ASTM A247; SAE J158, J434 ASTM E1077; SAE J419 ASTM E112 (Comparison Only) ASTM E45 (Method A, C, & D) ASTM A561, A604, E340, E381 ASTM E407
Metallographic Preparation	ASTM E3
Metallurgical Failure Analysis	ASTM E2332 (Withdrawn 2013) Using the methods listed above and on the Scope of Accreditation 0570.02 in accordance with the ASM Handbook Vol. 11
Microhardness HK 50, 100, 200, 300, and 500 gf. HV 50, 100, 200, 300, and 500 gf.	ASTM E384
Plastic Strain Ratio (R-value)	ASTM E8/E8M, E517
Plating Adherence	ASTM B571 (Except Draw) Method 8, D3359 Method A
Rockwell Hardness (B, C, (15, 30) N, (15, 30) T)	ASTM E18, F606-/F606M
Tension and Proof Load (0-60,000 lbs. at Room Temperature)	ASTM A370, E8/E8M; SAE J995; JIS Z2201, Z2241
Work Hardening Exponent (N-value)	ASTM E646



# Accredited Laboratory

A2LA has accredited

**RTI LABORATORIES, INC.**

*Livonia, MI*

for technical competence in the field of

**Mechanical Testing**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 April 2017).



Presented this 5<sup>th</sup> day of November 2024.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 570.01  
Valid to October 31, 2026

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