



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SHERRY LABORATORIES OF INDIANA, LLC
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Daleville, IN 47334
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MECHANICAL

Valid To: August 31, 2012

Certificate Number: 0174.02

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

<u>Test</u>	<u>Test Method(s)¹</u>
Compression	MTP 2031
Tensile (120K max)	ASTM A370, A975, B557, B557M, E8/E8M, E345, F1147; SAE J429; NASM 1312-8 (less yield)
r value	ASTM E517
n value	ASTM E646
Proof	ASTM F606/F606M
Elevated Temperature Tension / Tensile	ASTM E21
Punch	ASTM A975
Pull-Apart Resistance	ASTM A975
Charpy Impact	ASTM A370, A923, E23
Rockwell (A, B, C, E, F)	ASTM A370, E18; NASM 1312-6; SAE J429
Rockwell Superficial (15N, 30N, 45N, 15T, 30T, 45T)	ASTM A370, E18; NASM 1312-6; SAE J429
Brinell Hardness	ASTM A370, E10
Microhardness (Vickers & Knoop)	ASTM B578, E384; NASM 1312-6
Shear	ASTM A370, B565, F606; NASM: 1312-13, 1312-20
Creep, Stress Rupture	ASTM E139, E292; NASM 1312-10
Hydrogen Embrittlement	ASTM F519
Bend	ASTM A370, E290
Flarability	ASTM A370, B153

<u>Test</u>	<u>Test Method(s)¹</u>
Coating and Plating Adhesion	ASTM B571 (less sec. 6 & 10), C633, D3359, E290, F1044, F1147
End Quench Hardenability - Jominy	ASTM A255; SAE J406
<u>Metallographic Evaluations:</u>	
Alpha Case	PTP 1007
Bond Integrity / Oxide Content / Cracking	PTP 1060
Corrosion	ASTM A262 (a, b, c, d, e), A763 (w. x, y, z), A923, G28 (a), G34, G48 (a), G110; AMS-STD-753
Scratch Hardness	MTP 1034
Recast / Re-melt	PTP 1049
Preparation	ASTM E3
Microstructure Evaluation	NAS 4002, 4004; PTP-1010, ASM Metals Handbook
Inclusion Content	ASTM E45; SAE J422
Grain Size	ASTM E112, E883, E930
Macroetching	ASTM A604, E340, E381
Microetching	ASTM E407
Depth of Decarburization	AMS-H-6875; ASTM E1077; SAE J121
Case Depth	AMS-H-6875; SAE J423
Image Analysis (Second Phase Analysis)	ASTM E1245
Coating / Plating Thickness (Metallographic)	ASTM B487; NASM 1312-12
Fractographic Analysis	PTP-1057
SEM/EDS (Semi-quantitative)	ASTM E1508
Surface Finish	SAE J448
Surface Discontinuities	SAE J123
Welder Certification / Weld Procedure Testing (Visual, Mechanical)	ASME Section IX; AWS: D1.1, D1.2, D1.3, D1.5, D1.6, D9.1, D10.9, D17.1; MIL-STD-248D ³ ; NAVSEA S 9074-AQ-GIB-010/248
Failure Analysis (using test methods on Scope)	QAP-1031 ²

<u>Test</u>	<u>Test Method(s)¹</u>
<u>Environmental Simulation</u>	
Moist Ammonia	UL 207
Humidity	ASTM D1735, D2247
Salt Spray	ASTM B117, D1654; NASM 1312-1; GM 4298P

¹ Customer furnished test methods based on the above

² In-House Test Methods

³ This laboratory's scope contains withdrawn or superseded methods. As a clarifier, this indicates that the applicable method itself has been withdrawn or is now considered "historical" and not that the laboratory's accreditation for the method has been withdrawn.



World Class Accreditation

The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

SHERRY LABORATORIES OF INDIANA, LLC

Daleville, IN

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 16th day of September 2010.





President & CEO

For the Accreditation Council
Certificate Number 0174.02
Valid to August 31, 2012

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