



THE AMERICAN ASSOCIATION FOR
LABORATORY ACCREDITATION

ACCREDITED LABORATORY

A2LA has accredited

SHERRY LABORATORIES OF OKLAHOMA, LLC
Broken Arrow, OK

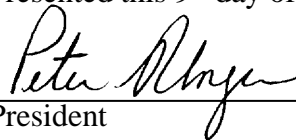
for technical competence in the field of

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 18 June 2005*).



Presented this 9th day of December 2008.



President

For the Accreditation Council

Certificate Number 1089.01

Valid to September 30, 2010

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SHERRY LABORATORIES OF OKLAHOMA, LLC

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Broken Arrow, OK 74012

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MECHANICAL

Valid To: September 30, 2010

Certificate Number: 1089.01

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, alloys, adhesives and sealants, aircraft components, automotive components, coatings, films, packaging; gaskets, seals and packings; composites; plastics and polymers; pipes, hoses, rubber and rubber products.

<u>Test</u>	<u>Test Methods</u>
<u>Metallurgical Testing</u>	
Tension	ASTM A370 (sections 5-13), A770, B557, E8
Bend	API 1104, 1107; ASME Section IX; ASTM A6, A370 (section 14), E290; AWS D1.1, 1.5, 17.1; (MIL-STD) AMS-1595-98; NAVSEAS9074-AQ-G1B-010-95
Hardness	
Brinell	ASTM A370 (section 16), E10
Rockwell (A, B, C, E, H)	ASTM E18, A370 (section 17); (MIL-STD) NASM-1312-6
Superficial (15N, 30N, 45N, 15T, 30T, & 45T)	
Vickers	ASTM E92
Charpy Impact (U- and V- Notch)	ASTM A370 (section 19), E23
Flattening	API 1104; ASTM A370 (section A.2.5.1.1)
Flare & Flange Test	ASTM A370 Section (A.2.5.1.4)
<u>Tensile Test of Fasteners</u>	
Axial Tensile (to ½ in)	ASTM A370 (A3.2), E8, F606, F606M; (MIL-STD) NASM-1312-8; SAE J429
Proof Load (interior & exterior thread)	ASTM F606, F606M; (MIL-STD) NASM-1312-8
Wedge Tensile (to ½ in)	ASTM A370 (A3.2.1.6), F606, F606M; SAE J429

<u>Test</u>	<u>Test Methods</u>
<u>Shear Test of Fasteners</u>	
Single	ASTM B565, F606, F606M; (MIL-STD) NASM-1312-20
Double	ASTM B565, F606, F606M; (MIL-STD) NASM-1312-13
<u>Torque Tests of Fasteners</u>	
Torque Out	(MIL-STD) NASM-1312-15, 1312-31 (MIL-STD) NASM-25027, 85730
Torsional Strength	(MIL-N) NASM-25027, (MIL-STD) NASM-1312-15, 1312-31
Blind Rivet Tests	MIL-R-7885; NAS 1687
Solid Rivet Drivability Test	BPS-R-131; (MIL-R) NASM-5674
Panel Fastener Tests	(MIL-STD) NASM-1312-22, 1312-23
<u>Metallographic Evaluation</u>	
Metallographic Preparation	ASTM E3
Grain Size	ASTM E112
Macro Etching	ASTM E340, E381
Micro Etching	ASTM E407
Inclusion Content	ASTM E45, Method A
Case Depth	SAE J423
Macroscopic Examination of Welds	(MIL-STD) ASM-STD-1595; AWS 17.1
Microhardness	
Knoop	ASTM E384
Vickers	ASTM E384
Microscopic Determination of Constituent Percent	ASTM E562
Plating Thickness	ASTM B487; (MIL-STD) NASM-1312-12
Failure Analysis	MAP-G200
Scanning Electron Microscope	ASTM E766, E1508
<u>Environmental Exposure Simulation</u>	
Conditioning of Plastics	ASTM D618
Effects of Liquids (rubber)	ASTM D471
Resistance to Chemicals (plastics)	ASTM D543
Oven Ageing (rubber)	ASTM D573

<u>Test</u>	<u>Test Methods</u>
<u>Hardness</u>	
Durometer Type: A, M, D	ASTM D2240
Rockwell Scales: R, L, M, E, K	ASTM D785
<u>Impact</u>	
Gardner	ASTM D2794
Izod/Charpy	ASTM D256, D4812, D6110, ISO 179, ISO 180
<u>Tensile/ Compression</u> (-70°F to 500°F)	ASTM C297, D412, D638, D695, D1414, D1708, D3039; ISO-527-1
Peel	ASTM D1781, D1876, D3167
Shear	ASTM D732, D1002, D2344
Tear	ASTM D624
Compression Set	ASTM D395, (Method B)
Flexural Properties of Plastics	ASTM C393, D790; ISO-178
<u>Physical Properties</u>	
Brittleness	ASTM D746 (A), D2137 (A); ISO-974
Density/Specific Gravity	ASTM D792, D297, D1875
Flammability/ Burn Rate	ASTM D635, D3801, D5132; FMVSS 302; NFPA 701-1; UL 94 (section 8)
Melt Flow Rate	ASTM D1238; ISO-1133
Gel Time	ASTM D3532
Resin Flow	ASTM D3531
<u>Corrosion/Environmental Testing</u>	
Coating Evaluation	ASTM D610, D714, D1654, D3359
Humidity	ASTM D1735, D4585
Salt Spray (Fog)	ASTM B117, G85 Annex A1
UV (Xenon, Fluorescent)	ASTM G151, G154, G155