



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Atlas Testing Laboratories, Inc.
9820 Sixth Street
Rancho Cucamonga, CA 91730

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 04 February 2023

Certificate Number: L2346



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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Atlas Testing Laboratories, Inc.

9820 Sixth Street
Rancho Cucamonga, CA 91730
Alan Hambley
909 373 4130 ext 3150

TESTING

Valid to: **February 4, 2023**

Certificate Number: **L2346**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Charpy Impact	ASTM A-370 ASTM E23 ATL-P-407	Flat, Round, Tubular, Fasteners, Metal Products	Charpy Tester
Hardness - Rockwell A, B, C, E 15T, 30T, 45T 15N, 30N, 45N Hardness – Brinell 500kg, 1000kg, 3000kg	ASTM E18 ASTM E10 ASTM F606 / F606M NASM 1312-6 MR0175 / ISO 15156-1 SAE J417 SAE J429 ATL-P-403 ATL-P-406	All Metallic Alloys All Forms	Hardness Testers
Micro Hardness Knoop / Vickers	ASTM E384 ATL-P-200 ATL-P- 204	All Metallic Alloys All Forms	Hardness Tester
Metallurgical Sample Prep	ASTM E3 ATL-P-218	All Metallic Alloys All Forms	Sample Prep Instrumentation
Metallurgical General Micro	ASTM E407 ATL-P-205 ATL-P-263 ATL-P-270	All Metallic Alloys All Forms	Microscopes
Metallurgical Alpha Case	ASTM E407 ATL-P-200 ATL-P-202 ATL-P-205 ATL-P-206	All Metallic Alloys All Forms	Microscopes



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Metallurgical Grain Size	ASTM E112 ASTM E930 ASTM E1181 ATL-P-209	All Metallic Alloys All Forms	Microscopes
Metallurgical Examination: Alloy Depletion Oxidation / Corrosion Layers	ASTM G110 ASTM E407 ATL-P-207 ATL-P-208 ATL-P-263	All Metallic Alloys All Forms	Microscopes
Oxidation Corrosion in Stainless Steels	ASTM A262 ATL-P-262 ATL-P-271	Stainless Steels	Acidic Corrosion Microscopes
Metallurgical Macro Exam	ASTM A561 ASTM A604 ASTM E340 ASTM E381 BPS 4470 AMS 2694 ATL-P-210	All Metallic Alloys All Forms	Microscopes
Heat Treatment of Specimens for Capability Verification	AMS 2750 AMS 2772 AMS-H-6875 AMS 2759, etc. ATL-P-600	All Metallic Alloys All Forms	Heat Treat Furnace
Tensile Test Up to 300 000 lbs	ASTM E8 / E8M ASTM B557 / B557M ASTM A370 ATL-P-527	All Metallic Alloys All Forms	Tensile Tester
Elevated Temperature Tensile Test Up to 1800°F	ASTM E21 ATL-P-400	All Metallic Alloys All Forms	Tensile Tester, Furnace
Coating Weight	ASTM A90 ASTM A525 ASTM B137 MIL-DTL-16232 MIL-A- 8625 ATL-P-905 ATL-P-907 ATL-P-913	Metallic Coatings Anodic Chem-Film Phosphoric Galvanized Zinc	Balance
Tape Adhesion	FED-STD-141 Method 6301.3 ASTM D3359 ATL-P-909 ATL-P-911	Primer/Painted & Anodic Coatings	Scribing Tool



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Taber Abrasion	ASTM D4060 MIL-A-8625 AMS 2469 ATL-P-305	Anodic Hard Coatings	Taber Wheel Humidity Cabinet
Salt Spray	ASTM B117 ISO 9227 NASM 1312/1 ATL-P-300	Painted/Plated/Coated Processed Finishes on Metallic Material or Parts	Salt Spray Cabinet
Alternate Immersion Corrosion	ASTM G38 ASTM G44 ASTM G47 ASTM G49 ATL-P-902	Aluminum Alloys	Tension Jigs Solution Bath
Stress Rupture/Stress Durability/ Embrittlement	ASTM E139 ASTM E292 NASM 1312/10 ATL-P-901 ASTM F519 ATL-P-410	All Metallic Alloys Plated or Un-Plated Machined Specimens and Fasteners	Stress Rupture Frame
Fracture Toughness	ASTM E399 ASTM B645 ATL-P-700	All Metallic Alloys All Forms W=1 through W=4	Dynamic Test Machine
T-Peel/ Floating Roller Peel Test	ASTM D1876 ASTM D3167 ATL-P-532	All Metallic Coated Materials	Instron Universal Load Machine
Flatwise Tensile Test	ASTM C297 ATL-P-533	Bonded Honeycomb	Tensile Tester
Electrical Conductivity	MIL-STD-1537 ASTM E1002 ATL-P-201	Aluminum Alloys	Conductivity Meter
Lap Shear	ASTM D1002 ASTM D3165 MMM-A-132	Metal Alloys	Digital Calipers Tensile tester
Adhesive-Bonded Surface Durability (Wedge Test)	ASTM D3762 ATL-P-532 ATL-P-534	Metal Alloys	Microscope Digital Calipers Humidity Chamber



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Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Optical Emission Spectroscopy Spark (OES)	ASTM E415 ASTM E1086 ASTM E1251 ASTM E1999 ASTM E2994 ASTM E3047 ATL-P-150	All Metallic Alloys All Forms	Optical Emission Spectrometer (OES-Spark)
Optical Emission Spectroscopy Inductively Coupled Plasma (ICP)	ASTM D1193 ASTM E1277 ASTM E2371 ASTM E2594 ASTM E2941 ASTM E3061 ASTM F1277 ATL-P-133	All Metallic Alloys All Forms	Optical Emission Spectrometer (OES-ICP)
Combustion Gas Analysis LECO / Elementar Carbon / Sulfur	ASTM E1019 ASTM E1941 ATL-P-104 ATL-P-105	All Metallic Alloys All Forms	Combustion Gas Analysis (LECO / Elementar)
Inert Gas Fusion Oxygen Nitrogen Hydrogen	ASTM E1409 ASTM E1447 ATL-P-102 ATL-P-103	All Metallic Alloys All Forms	Inert Gas Fusion Analyzer (LECO / Elementar)

Note:

1. This laboratory offers commercial testing service.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2346

R. Douglas Leonard Jr., VP, PILR SBU