



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

Consultoría y Pruebas de Materiales, S.A de C.V.

*Avenida Adolfo López Mateos 1099A-1, Col Margarita Salazar de Rodríguez
San Nicolás de los Garza, Nuevo León, México. C.P. 66479*

*(Hereinafter called the Organization) and hereby declares that Organization 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
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical, Mechanical and Non-Destructive Testing *(As detailed in the supplement)*

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Initial Accreditation Date:

November 07, 2010

Issue Date:

January 04, 2024

Expiration Date:

February 28, 2026

Accreditation No.:

67973

Certificate No.:

L24-21

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

Consultoría y Pruebas de Materiales, S.A de C.V.

Avenida Adolfo López Mateos 1099A-1, Col Margarita Salazar de Rodriguez
San Nicolás de los Garza, Nuevo León, México. C.P. 66479
Contact Name: Arturo Joel Treviño Phone: 811-520-2292

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
Chemical ^F	Metals Ferrous and Non-Ferrous (Iron Base, Copper Base, Aluminum Base, Nickel Base, Zinc Base)	Alloying and Residual Elements Determination	ASTM E415 (Carbon and Low-Alloy Steel)	Optical Emission Spectrometry
			ASTM E1086 (Austenitic Stainless Steel)	
			ASTM E1999 (Cast Iron)	
			ASTM E1251 (Aluminum Base)	
			DIN EN 15079 (Copper Base)	
			ASTM E3047 (Ni Base)	
			ISO 3815-1 (Zinc Base)	
	Metals Ferrous and Non-Ferrous Organic Materials and Automotive Components	Salt Spray (Fog)	ASTM B117 JIS Z 2371	Apparatus/Visual
	Metals Ferrous	Determination of Carbon-Sulfur	ASTM E1019 ASTM E1806	Combustion and Inert Gas Fusion Techniques
	Textile Glass Reinforced Plastics	Determination of Glass Fiber Content	ISO 1172 ASTM D5630	Muffle Furnace Technique
Mechanical ^F	Metal Surfaces	Roughness (Ra) Sheet Metal Surfaces	ASTM D 7127	Electronic Surface Roughness Measurement Instrument
			SAE J911	
	Metal	Tensile r-Value Tensile n-Value	ASTM E517	Extensometer / Universal Testing Machine
ASTM E646				



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Mechanical ^F	Metal	Weight (mass) of Coating on Iron and Steel Articles with Zinc or Zinc Alloy Coating, Coating Weigth	ASTM A90/ A90M	Gravimetric Analysis/ Analytical balance
		Charpy Impact Test CVN	ASTM A370 ASTM E23 API 1104 AWS B4.0 ASME Secc. VIII (UG-84)	Impact Machine
		Tension Testing of Metallic Materials (Tensile Strength, Yield Strenght, Elongation and Reduction of Area)	ASTM B557/B557M ISO 6892-1 API 1104 AWS B4.0 ASTM E8 ASTM A370 JIS Z2241	Universal Testing Machine
		Guided Bend Test	ASTM A370 API 1104 AWS B4.0 ASME Secc.IX (QW-160) ASTM E190 ASTM E290	
		Vickers Hardness	ASTM E384 ASTM E92 ISO 6507	Microhardness and Macroharness
Mechanical ^F	Metal	Rockwell Hardness	ASTM E18	Rockwell Hardness Testing Machines
		Brinell Hardness	ASTM E110 SAE J417 ASTM E10	Brinell Hardness Testing Machines
		Nick Break	API 1104	Universal Testing Machine
	Polymers	Melt Flow Rate	ISO 1133 Part 1 and Part 2	Mass-Measurement Method
	Thermoplastics	Izod Notched Impact Strength	ASTM D256 ISO 180	Pendulum-type Hammers
	Metallic Materials	Determining No Metallic Inclusion	ASTM E45	Comparison Method



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Mechanical ^F	Metallic Materials	Determining Average Grain Size	ASTM E112 ASTM E1382	Comparison Method
	Metals Ferrous	Resistance to Hydrogen Induced Cracking	NACE TM0284	Reactor/ Iodometric Titration / Metallographic Microscope
		SCC (Stress Corrosion Cracking)	ISO 7539-2 Corrosion of Metals and Alloys - Stress Corrosion Testing	Four-Point Loading
	Adhesive Materials	Peel Adhesion Test 90° and 180°	ASTM D6862 ASTM D903	Universal Testing Machine (Tensile Tester)
		Loop Tack	ASTM D6195	
	Polymers	Tension Testing	ASTM D3950 ASTM D638 ISO 527	Hardness Test Machine
Hardness Shore A, C and D		ASTM D2240 ISO 868 ISO 7619- Part 1		
Non-Destructive Test ^{FO}	Metal	Ultrasonic Examination	ASTM E587 ASTM A435	Pulse-echo Technique
		Liquid Penetrant	ASTM E1417	Method C: Solvent-Removable
		Magnetic Particle	ASTM E 1444 ASTM E3024	Electromagnetic Yoke
		Micro/Macro Etching	ASTM E340, E407 AWS, ASME Secc. IX	Chemical Attack

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
2. The presence of a superscript O means that the laboratory performs testing of the indicated parameter onsite at customer locations.