



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Soluciones VYR, S.A. de C.V.

***Paulino Fontes 142, Col. San Jose
Monterrey, Nuevo León, México. C.P. 64270***

*(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):

***Mechanical and Chemical 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:

Tracy Szerszen
President

Initial Accreditation Date:

November 15, 2022

Issue Date:

November 15, 2022

Expiration Date:

January 31, 2025

Revision Date:

November 15, 2023

Accreditation No.:

118865

Certificate No.:

L22-760-R1

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

Soluciones VYR, S.A. de C.V.

Paulino Fontes 142, Col. San Jose

Monterrey, Nuevo León, México. C.P. 64270

Contact Name: Jesus Raymundo Gonzalez Phone: 818-029-4324

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
Mechanical ^F	Metals and Alloys	Grain Size	ASTM E112-21	General/Microscope, Preparation Equipment
		Determining Volume Fraction by Systematic Manual Point Count*	ASTM E562-19e1	
		Preparation of Metallographic Specimens*	ASTM E3-17	Preparation equipment Diamond & Alumina Suspension
	Metals (Plates, Sheets, Pipes, Cast)	Inclusions A, B, C, D, E	ASTM E45-18a	General/Microscope, Preparation Equipment
	Irons	Metallographic Phase Identification	ASTM A247-19	
	Metals, Alloys, Welds	Metallurgical Field Replications	ASTM E1351-20	
		Brinell Hardness	ASTM E10-18	Brinell Scale/Brinell Tester
		Rockwell Hardness	ASTM E18-20	Scale/Rockwell Tester
		Vickers Hardness	ASTM E92-17	Vickers Scale/Vickers Tester
		Leeb Hardness	ASTM A956-17a	Leeb Scale/Leeb Tester
		Microindentation Hardness	ASTM E384-17	Vickers Scale/Vickers Tester/ Preparation Metallographic
		Metals Tensile	ASTM E8-21	General/Universal Machine
		Tensile Strength, Yield Strength, Elongation Reduction of Area	ASTM A370-21	General/Universal Machine
	Alloys Metals	Macro etching	ASTM E381-20	General/ Preparation Equipment
	Alloys Metals Welding	Macro etching	ASTM E340-15	
	Welds	Guided Bend	ASTM E190-21	General/Universal Machine
	Coatings	Measurement of Coating Thickness - Microscopical Method	UNE EN ISO 1463	General/Microscope, Preparation Equipment
	Aluminum & Aluminum Alloys	Tensile	ASTM B557-15	General/Universal Machine



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Mechanical ^F	Metal Sheets	Plastic Strain ratio "r"	ASTM E517-19	General/Universal Machine
		Tensile Strain-Hardening Exponents (n -values) of Metallic Sheet Materials	ASTM E646-16	
	Paint, Coatings Products	Adhesion of Film Coatings	ASTM D 3359-17	Methods for Rating Adhesion by Tape Test
	Austenitic Stainless Steels	Corrosion Testing in Stainless Steels	ASTM A262-21	General/Microscope, Preparation Equipment, Balance
	Stainless Steels and Related Alloys	Pitting And Crevice Corrosion Resistance of Stainless Steels and Related Alloys by Use of Ferric Chloride Solution	ASTM G48-20 Methods A, B, C, D & F	
	Duplex Austenitic/Ferritic Stainless Steels	Detecting Detrimental Intermetallic Phase in Duplex Austenitic/Ferritic Stainless Steels - Corrosion	ASTM A923-14 Methods A, B, & C	
	Products Automotive	Cleanliness of Components and Systems	ISO 16232-18	
Chemical ^F	Metals, Alloys, Welds	Charpy Impact Test CVN	ASTM E23	Charpy Impact Machine
	Metals, Alloys, Welds (Base Fe)	Alloy and Residual Elements	ASTM E-415	Chemical Analysis Optical Emission Spectrometry
	Stainless Steels (Base Fe)		ASTM E-1086	
	Cast Irons (Base Fe)		ASTM E-1999	
	Aluminum and Aluminum Alloys (Base Al)		ASTM E-1251	
	Copper and Copper Alloys (Cu Base)		EN 15079	

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.