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

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
November 15, 2022	December 27, 2024	January 31, 2027

Accreditation No.:	*Certificate No.:*
118865	L24-984

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.pjlabs.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:

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
F1, F2	Mechanical[F]	Metals and Alloys	Grain Size	ASTM E112	General/Microscope, Preparation Equipment
F1, F2			Determining Volume Fraction by Systematic Manual Point Count	ASTM E562	
F1, F2			Microstructure (Microetching)	ASTM E3 ASTM E407	Preparation Equipment Diamond & Alumina Suspension
F1, F2		Metals (Plates, Sheets, Pipes, Cast)	Determining the Inclusion Content A, B, C, D, E	ASTM E45	General/Microscope, Preparation Equipment
F1, F2		Iron	Metallographic Phase Identification	ASTM A247	
F1, F2		Metals, Alloys, Welds, Metallic Sheet Materials,	Metallurgical Field Replications	ASTM E1351	
F1, F2			Brinell Hardness	ASTM E10	Brinell Scale/Brinell Tester
F1, F2			Rockwell Hardness	ASTM E18	Scale/Rockwell Tester B, C, 30N, 30T
F1, F2			Vickers Hardness	ASTM E92 ASTM E384	Vickers Tester 0.2, 0.5, 5, 10
F1, F2			Tensile Strength, Yield Strength, Elongation Reduction of Area Plastic Strain ratio “r”, Tensile Strain-Hardening Exponents (n -values)	ASTM A370 ASTM E8 ASTM E517 ASTM E646 ASTM B557	General/Universal Machine
F1, F2		Alloys Metals Welding	Macro etching	ASTM E381 ASTM E340	General/ Preparation Equipment
F1, F2		Welds	Guided Bend	ASTM E190	Universal Machine
F1, F2		Coatings	Measurement of Coating Thickness	UNE EN ISO 1463	General/Microscope, Microscopical Method
F1, F2		Paint, Coatings Products	Adhesion of Film Coatings	ASTM D 3359	Methods for Rating Adhesion by Tape Test
F1, F2		Austenitic/Ferritic Stainless Steels and Related Alloys	Corrosion Testing (Intergranular Attack, Pitting and Crevice, Detecting Detrimental Intermetallic Phase)	ASTM A262 ASTM G48 Methods A, B, C, D & F ASTM A923 Methods A, B, & C	General/Microscope, Preparation Equipment, Balance

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F1, F2	Mechanical[F]	Products Automotive	Cleanliness of Components and Systems	ISO 16232	General/Microscope, Preparation Equipment, Balance
F1, F2		Metals, Alloys, Welds	Charpy Impact Test CVN	ASTM E23	Charpy Impact Machine
F1, F2	Chemical[F]	Metals, Alloys, Welds, Stainless Steels, Cast Irons (Base Fe) Aluminum Alloys (Base Al), Copper Alloys (Cu Base)	Alloy and Residual Elements Determination	ASTM E415 ASTM E1086 ASTM E1999 ASTM E1251 EN 15079	Optical Emission Spectrometry

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

2. Flex Code:
F0-Fixed scope item. No deviations allowed to the line item as identified, except for updating to the most recent version of an accredited standard method after verification
F1-Laboratory has the capability to test a new item, material, matrix, or product similar in composition to item, material, matrix, or product identified on the scope
F2-Laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope
F3-Laboratory has the capability to introduce a parameter/component/analyte to an accredited test method identified on the scope
F4-Laboratory has the capability to introduce a new revision of an accredited non-standard method using the same technology or technique identified on the scope
F5-Laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using same technology or technique) identified on the scope