



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Metrosmart, S.A. de C.V. / Metrokal

***Alcatraz 23, Paseos del Pedregal Salitre
El Salitre, Querétaro, México. C.P. 76223***

*(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):

Dimensional Inspection, Thermodynamic and Mechanical 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:

June 26, 2018

Issue Date:

November 13, 2024

Expiration Date:

December 31, 2026

Accreditation No.:

74050

Certificate No.:

L24-869

*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.pjilabs.com*



Certificate of Accreditation: Supplement

Metrosmart, S.A. de C.V. / Metrokal

Alcatraz 23, Paseos del Pedregal Salitre
 El Salitre, Querétaro, México. C.P. 76223
 Contact Name: Efrain Calva Gomez Phone: 442 220 7054

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	Dimensional Inspection ^F	Fixtures and Parts All kinds of Material	Geometrical and Dimensional Tolerances (GD&T)	ASME Y14.5	CMM	
F1, F2					PCMM (Romer)	
F1, F2					Tracker Laser	
F1, F2					Digital Scanner	
F1, F2		Parts, All kinds of Material	Contour Measurement X Axis	ISO 12179	Contour Instrument VDI/VDE 2629	
F1, F2						Contour Measurement Z Axis
F1, F2						Contour Measurement Radius
F1, F2						Contour Measurement Angle
F1, F2	Thermodynamic ^{FO}	Oven, Furnaces – Mufflers	Characterization	DKD-R-5-7	Datalogger and Thermocouples with a Data Acquisition System	
F1, F2		Climatic Chambers, Refrigerating (Freezer) Chambers, Saline Chamber, Stove, Warehouse, Autoclave, Bain-Marie, Sterilizer, Centrifuge, Oven				
F1, F2		Autoclave & Incubators				
F1, F2		Water Baths, Dry Well				CENAM Technical Guide
F1, F2		Climatic Chambers, Oven Calibration / Temperature Uniformity Survey (TUS)	Characterization	AMS2750 CQI-9	Datalogger and Thermocouples with a Data Acquisition System	



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F1, F2	Thermodynamic ^{F0}	Climatic Chambers (Relativity Humidity)	Characterization	DKD-R-5-7	Set Dataloggers
F1, F2	Mechanical ^F	Metal Automotive Components	Hardness Rockwell	ASTM E18	Hardness Tester Mitutoyo 810-203A & Hardness Reference Block HRA, HRBW, HRC, HREW, HR15N, HR15TW, HR30TW, HR15N, HR30N
F1, F2			Hardness Vickers	ASTM E384	Vickers Hardness Tester Shimadzu MHV-2 & Hardness Reference Blocks HV 0.5
F1, F2			Hardness Brinell	ASTM E10	Hardness Tester Mitutoyo 810-203A & Hardness Reference Blocks 2.5/187.5 HBW
F1, F2		Rubber Testing	Hardness Shore A	ASTM D2240	Shore A Hardness Tester Sundoo, LD-A
F1, F2		Force	Force Max and Min Load	ASTM E4	Tension and Compression Machine Chatillon TCM 201 Manual Press

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