



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

***Miguel Vázquez Contreras/ Capacitación y Metrología.***

*Ave. Fortuna No. 184 Local 3, Col Tepeyac Insurgentes  
Alcaldía Gustavo A. Madero, Ciudad de México, México. CP. 07020*

*(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):

***Thermodynamic, Mechanical and Dimensional 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:*

July 18, 2017

*Issue Date:*

June 10, 2019

*Expiration Date:*

September 30, 2021

*Accreditation No.:*

75834

*Certificate No.:*

L19-288

Tracy Szerszen  
President/Operations Manager

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](http://www.pjllabs.com)*



# Certificate of Accreditation: Supplement

**Miguel Vázquez Contreras/ Capacitación y Metrología.**

Ave. Fortuna No. 184 Local 3, Col. Tepeyac Insurgentes  
 Alcaldía Gustavo A. Madero, Ciudad de México, México. CP. 07020  
 Contact Name: Miguel Vazquez. Phone: 555-577-1702

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

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Thermodynamic <sup>o</sup>	Laboratory Equipment Autoclave	Operating Qualification. Performance Qualification Uniformity and Stability	Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1	121 °C (Fixed point)
	Oven (Depyrogenation Dry Heat)		Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1	250 °C (Fixed point) 180 °C (Fixed point)
	Incubators		Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1	0 °C to 200 °C
	Refrigerator		Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1	0 °C to 10 °C
	Freezer		Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1	-20 °C to 0 °C
	Ultra Low Temperature Freezer		Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1	-80 °C to -40 °C
	Enviromental Chamber and Enviromental Stabilities Chamber (Temperature and % relativity Humidty)		Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1 NOM-073-SSA1	0 °C to 100 °C & 10 RH to 90 %RH
	Furnace		Customer Requirements FEUM USP NOM-059-SSA1 NOM-164-SSA1	100 °C to 1 000 °C (Unc.= 1.9 °C)
	Laboratory Equipment Autoclave		Thermal Profile	Customer Requirements Procedure: PCM-03-18 Thermal Profile Studies
Oven (Depyrogenation Dry Heat)	Customer Requirements Procedure: PCM-03-18 Thermal Profile Studies	250 °C (Fixed point) 180 °C (Fixed point)		



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Thermodynamic <sup>o</sup>	Incubators	Thermal Profile	Customer Requirements Procedure: PCM-03-18 Thermal Profile Studies	0 °C to 200 °C
	Refrigerator		Customer Requirements Procedure: PCM-03-18 Thermal Profile Studies	0 °C to 10 °C
	Freezer		Customer Requirements Procedure: PCM-03-18 Thermal Profile Studies	-20 °C to 0 °C
	Ultra-Low Temperature Freezer		Customer Requirements Procedure: PCM-03-18 Thermal Profile Studies	-80 °C to -40 °C
	Environmental Chamber and Stabilities Chamber (Temperature and % Relativity Humidity)	Thermal and Relative Humidity % Profile	Customer Requirements Procedure: PCM-03-18 Thermal Profile Studies	0 °C to 100 °C and 10 % RH to 90 % RH
Mechanical <sup>o</sup>	Biosafety Cabinets (Particle counts, Air Flow Speed)	Operating Qualification Performance Qualification	NSF/ANSI 49 Customer Requirements NOM-164-SSA1 NOM-073-SSA1	0.5 µm to 5 µm 0.36 m/s to 0.54 m/s 100 Lux to 700 Lux
	Laminar Flow Hoods		NSF/ANSI 49 Customer Requirements NOM-164-SSA1 NOM-073-SSA1	0.5 µm to 5 µm 0.36 m/s to 0.54 m/s 100 Lux to 700 Lux
	Flow Hood		NSF/ANSI 49 Customer Requirements NOM-164-SSA1 NOM-073-SSA1	0.38 m/s (minus)
	Analytical Balance	Operating Qualification Performance Qualification	Customer Requirements FEUM USP NOM-010-SCFI NOM-164-SSA1 NOM-073-SSA1	Analytical Balances: 1 mg to 500 000 mg (Res.= 0.01 mg)
	Mechanical and Electronic Balances and Weight Scale		Customer Requirements FEUM USP NOM-010-SCFI NOM-164-SSA1 NOM-073-SSA1	Balances: 1 g to 20 000 g (Res.= 0.01 g)



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Dimensional <sup>O</sup>	Microscope	Operating Qualification Performance Qualification	Customer Requirements ASTM-E1951-02 NOM-164-SSA1 NOM-073-SSA1	0.1 mm to 1 mm (Unc. = 2.01 μm)

1. The presence of a superscript O means that the laboratory performs testing of the indicated parameter onsite at customer locations. Example: Outside Micrometer<sup>O</sup> would mean that the laboratory performs this testing onsite at the customer's location.

