



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

***SIVACC KS, S.A. de C.V***

***M.J. Clouthier No. 108 piso 11, Burócratas San Luis Potosi, San Luis Potosi, C.P. 78270***

*(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:*

**ISO/IEC 17025:2005**

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 January 2009):

***Thermodynamic 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/Operations Manager

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

*Initial Accreditation Date:*

December 01, 2017

*Issue Date:*

December 01, 2017

*Expiration Date:*

March 31, 2020

*Accreditation No.:*

92388

*Certificate No.:*

L17-515

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



# Certificate of Accreditation: Supplement

## SIVACC KS, S.A. de C.V

M.J. Clouthier No. 108 piso 11, Burócratas  
 San Luis Potosí, San Luis Potosí, C.P. 78270  
 Contact Name: Saul Peña Herrera. Phone: 551-209-1158

*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>F</sup>	Industrial Autoclave	Installation Qualification Operating Qualification. Performance Qualification Uniformity and Stability	NOM-059-SSA1 NOM-164-SSA1 DKD-R 5-7 (Calibration of Climatic Chambers) Technique: Acquired Temperature Data System  Health Technical Memorandum 2010 Part 5: Good Practice Guide Sterilization	121 °C to 135 °C
	Steam Autoclave, Freezer, Waterfall Autoclave, Air-Steam Autoclave	Installation Qualification Operating Qualification. Performance Qualification Uniformity and Stability	Guidelines for conducting thermal processing studies, Institute For Thermal Process Specialists (IFTPS) Issue Date: March 13; 2014  Laboratory Manual for Food Canners and Processors  Processing, National Food Processors Association Research Laboratories, Westport, Connecticut, AVI Publishing Company  Hersom an Holland 1980 Canned Foods; Thermal Processing and Microbiology 7 <sup>th</sup> edition London, Churchill Livingstone  Stumbo C R 1973 Thermobacteriology in Food Processing, 2 <sup>nd</sup> Edition New York Academic Press, Validation os Steam Sterilization cycles. Technical Monogram Ph No. 1978 Philadelphia Drug Association	80 °C to 300 °C



# Certificate of Accreditation: Supplement

## SIVACC KS, S.A. de C.V

M.J. Clouthier No. 108 piso 11, Burócratas

San Luis Potosí, San Luis Potosí, C.P. 78270

Contact Name: Saul Peña Herrera. Phone: 551-209-1158

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>FO</sup>	Oven	Operating Qualification	NOM-059-SSA1 NOM-164-SSA1 DKD-R 5-7 (Calibration of Climatic Chambers) Technique: Acquired Temperature Data System	Environmental Temperature to 300 °C
	Incubators	Installation Qualification Operating Qualification. Performance Qualification Uniformity and Stability	NOM-059-SSA1 NOM-164-SSA1 DKD-R 5-7 (Calibration of Climatic Chambers) Technique: Acquired Temperature Data System	20 °C to 60 °C (+/- 0.5 °C)
	Refrigerator	Thermal Map	NOM-059-SSA1 NOM-164-SSA1 DKD-R 5-7 (Calibration of Climatic Chambers) Technique: Acquired Temperature Data System	0 °C to 10 °C (+/- 0.5 °C)
	Freezer	Thermal Characterization	NOM-059-SSA1 NOM-164-SSA1 DKD-R 5-7 (Calibration of Climatic Chambers) Technique: Acquired Temperature Data System	-35 °C to 10 °C (+/- 0.5 °C)
	Refrigerated Transportation	Installation Qualification Operating Qualification. Performance Qualification Uniformity and Stability	NOM-059-SSA1 NOM-164-SSA1 DKD-R 5-7 (Calibration of Climatic Chambers) Technique: Acquired Temperature Data System	0 °C to 25 °C (+/- 0.5 °C) 10 % RH to 90 % RH (+/- 1 % RH)
	Environmental Chamber (Temperature and % Relativity Humidity)	Thermal Characterization	NOM-059-SSA1 NOM-164-SSA1 DKD-R 5-7 (Calibration of Climatic Chambers) Technique: Acquired Temperature Data System	0 °C to 100 °C (+/- 0.5 °C) 10 RH to 90 RH (+/- 1 % RH)
	Thermal Bath	Thermal Characterization	Characterization of Thermometric Bath CENAM Technique: Acquired Temperature Data System	-30 °C to 250 °C



## *Certificate of Accreditation: Supplement*

### **SIVACC KS, S.A. de C.V**

M.J. Clouthier No. 108 piso 11, Burócratas

San Luis Potosí, San Luis Potosí, C.P. 78270

Contact Name: Saul Peña Herrera. Phone: 551-209-1158

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

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer<sup>F</sup> would mean that the laboratory performs this testing at its fixed location.
2. The presence of a superscript FO means that the laboratory performs testing of the indicated parameter both at its fixed location and onsite at customer locations. Example: Outside Micrometer<sup>FO</sup> would mean that the laboratory performs this testing at its fixed location and onsite at customer locations.

