

# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

***Calibrex, S.A. de C.V.  
Calle Internacional # 101 Parque Industrial Maquilpark  
Apodaca, Nuevo León 00052***

*(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):*

***Electrical, Mechanical, Dimensional, Mass and Thermodynamic Calibration  
(As detailed in the supplement)***

*Such testing and/or calibration services shall only be offered at or from the address given above. 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:

*The validity of this certificate is mandated through ongoing surveillance.*

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Tracy Szerszen  
President/Operations Manager

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
26555 Evergreen, Suite 1325  
Southfield, Michigan 48076

*Initial Accreditation Date:*

April 02, 2009

*Issue Date:*

April 02, 2009

*Expiration Date:*

December 10, 2013

*Accreditation No.:*

61054

*Certificate No.:*

L09-51

*Page No.:*

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# Certificate of Accreditation: Supplement

**Calibrex, S.A. de C.V.**  
Calle Internacional # 101 Parque Industrial Maquilpark  
Apodaca, Nuevo León 00052

*Accreditation is granted to this facility to perform the following calibrations:*

## Electrical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	REMARKS
Resistance Generate	10 MΩ	1.2 % of reading	Megohmetro
	100 MΩ		
	1 GΩ		
	10 GΩ		
Angle-Phase Generate	90°	0.14°	
Electrical Simulation of Thermocouple Type J	-210 °C to 1 200 °C	0.4 °C	
Electrical Simulation of Thermocouple Type K	-200 °C to 1 372 °C	0.5 °C	
Electrical Simulation of Thermocouple Type T	-250 °C to 400 °C	0.8 °C	
Electrical Simulation of Thermocouple Type E	-250 °C to 1 000 °C	0.6 °C	
Electrical Simulation of Thermocouple Type R	0 °C to 1 767 °C	1.3 °C	
Electrical Simulation of Thermocouple Type S	0 °C to 1 767 °C	1.3 °C	
Electrical Simulation of Sensor RTD / PT100	-200 °C to 800 °C	0.3 °C	

## Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	REMARKS
Torque Meter	0 N·m to 1 356 N·m (0 lbf·ft to 1 000 lbf·ft)	0.4 % of reading	
Flow Meter	0 gpm to 1 000 gpm	1.03 % of reading	
Pressure Gages	0 psi to 500 psi (0 kPa to 3 448 kPa)	0.1 % of reading	

## Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	REMARKS
Micrometer	0 mm to 152 mm	6 μm	
Caliper	0 mm to 152 mm	28 μm	

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## Mass, Force and Weighing Devices

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	BEST MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	REMARKS
Scales	1 g to 5 kg	0.6 g	
Scales	20 kg to 500 kg	60 g	

1. Remarks: This column shall include pertinent information about the calibration of the Measured Instrument or parameter. The information should include the type of standards used and any pertinent information about the measurement method. This column is not to be used for commercial advertisement of laboratory services.
2. The term wt represents weight in pounds or grams (including SI multiple and submultiples units) appropriate to the uncertainty statement.