



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Calibración e Inspecciones Ceisa, S.A. de C.V.
Carretera KM 14.5, Parcela 157, No. L2, Colonia Granjas Futura
Uman, Yucatán, México. C.P. 97390

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

ISO/IEC 17025:2017

Whereby, technical competence has been confirmed for the associated scope supplement, in the fields of:

Dimensional, Fluid Quantities and Thermodynamic Calibration
(As detailed in the supplement)

Accreditation claims for conformity assessment activities shall only be made from the addresses referenced within this certificate and shall apply solely to those activities identified in the related scope. This Accreditation is granted subject to the Accreditation Body rules governing the Accreditation referred to above, and the Organization hereby commits to observing and complying with those rules in their entirety.

For PJLA:

Initial Accreditation Date:

Issue Date:

Expiration Date:

June 12, 2015

February 15, 2026

February 29, 2028

Accreditation No.:

Certificate No.:

78064

L26-131

Tracy Szerszen
President

*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*

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



Certificate of Accreditation: Supplement

Calibración e Inspecciones Ceisa, S.A. de C.V.

Carretera KM 14.5, Parcela 157, No. L2, Colonia Granjas Futura

Uman, Yucatán, México. C.P. 97390

Contact Name: Felipe Garcia Phone: 921-151-1210

Accreditation is granted to the facility to perform the following conformity assessment activities:

FIELD OF CALIBRATION	MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	EXPANDED MEASUREMENT UNCERTAINTY ($\pm$) ¹	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Automatic Atmospheric Tank Level System (Includes Servo, Float, Radar, Optic, Ultrasonic and Magneto Strictive)	Up to 20 000 mm	1 mm	Tape with Dip-weight	ISO 4266-1	F1, F2	O
Fluid Quantities	Cylindrical Tanks (Geometric Method) (Dry)	1 m ³ to 100 000 m ³	0.2 % Contained Volume	Strapping Tape Theodolite or Total Station API MPMS	Chapter 2.2A ISO 7507-1 API MPMS Chapter 2.2B ISO 7507-2	F1, F2	O
Fluid Quantities	Cylindrical Tanks (Volumetric Method) (Wet)	1 m ³ to 100 000 m ³	0.2 % Contained Volume	Master Meter	API STD 2555 ISO 7507-1 & ISO 4269	F1, F2	O
Fluid Quantities	Horizontal Tanks (Geometric Method)	1 m ³ to 376 m ³	0.18 % Contained Volume	Strapping Tape	ISO 12917-1 API MPMS Chapter 2.2E API STD 2551	F1, F2	O
Fluid Quantities	Horizontal Tanks (Volumetric Method)	1 m ³ to 376 m ³	0.18 % Contained Volume	Master Meter	ISO 12917-1, API STD. 2551, API STD. 2555 ISO 4269	F1, F2	O
Fluid Quantities	Spherical Tanks (Geometric Method)	1 m ³ to 5 000 m ³	0.2 % Contained Volume	Strapping Tape	API STD 2552	F1, F2	O
Fluid Quantities	Spherical Tanks (Volumetric Method)	1 m ³ to 5 000 m ³	0.2 % Contained Volume	Master Meter	API STD 2552 API STD 2555 ISO 4269	F1, F2	O



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Thermodynamic	Automatic Atmospheric Tanks Temperature System (Include Precision Temperature Sensors/ Transmitter)	5 °C to 45 °C	0.12 °C	Portable Digital Thermometer	ISO 4266-4	F1, F2	O

1. The CMC (Calibration and Measurement Capability) is expressed in terms of measurement instrument/aspect being calibrated, range, expanded measurement uncertainty, equipment, and method/procedure. The expanded measurement uncertainty stated for calibrations included on this scope of accreditation represents the smallest measurement uncertainty attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is typically expressed at a confidence level of 95 % using a coverage factor k (usually equal to 2). The actual measurement uncertainty associated with a specific calibration performed by the laboratory will typically be larger than the measurement uncertainty included on this scope for the same calibration since capability and performance of the device being calibrated and the conditions related to the calibration may reasonably be expected to deviate from ideal to some degree.
2. The laboratory's range of calibration capability for all disciplines for which it is accredited is the interval from the smallest calibrated standard to the largest calibrated standard used in performing the calibration. The low end of this range must be an attainable value for which the laboratory has or has access to the standard referenced. Verification of an indicated value of zero in the absence of a standard is common practice in the procedure for many calibrations but by its definition it does not constitute calibration of zero capacity.
3. Location of activity:

Location Code	Location
O	Conformity assessment activity is performed onsite at the CAB's customer location
4. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratory's fixed location for similar calibrations. This is due to the effects of transportation of the standards and equipment and upon environmental conditions at the customer site which are typically not controlled as closely as at the laboratory's fixed location.



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Accreditation is granted to the facility to perform the following conformity assessment activities:

5. Flex Codes

F0: When no flexibility is identified. There are no changes to items calibrated, characteristics identified or versions of methods except for updating to the most recent version of a standard method after verification.

F1: The laboratory has the capability to introduce a new instrument, quantity, or gauge for an accredited calibration method.

F2: The laboratory has the capability to introduce the newest revision of an accredited authoritative standard method (with no modifications) identified on the scope

F3: The 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

F4: The laboratory has the capability to introduce a validated method that is equivalent to an accredited method (using the same Calibration Equipment or Reference Standards identified on the scope for the same parameter, component, or analyte identified on the line item of the scope).

