PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Helmut Fischer, S. de R.L. de C.V.

Plaza de las Danzas 18, Los Olvera
Corregidora, Querétaro, México. C.P. 76904

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 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:*
April 09, 2020	April 09, 2026	June 30, 2028

Accreditation No.:	*Certificate No.:*
104687	L26-336

Tracy Szerszen
President

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.pjlabs.com

Certificate of Accreditation: Supplement

Helmut Fischer, S. de R.L. de C.V.

Plaza de las Danzas 18, Los Olvera
Corregidora, Querétaro, México. C.P. 76904
Contact Name: Federico Ramirez Solis. Phone: 442-260-9295

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 (±) [1]	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	FLEX CODE	LOCATION OF ACTIVITY
Dimensional	Thickness Measuring Instruments (Eddy Current)	5.1 µm to 21 µm	1.8 % of reading	Foil Set	ISO 2360	F1, F2	F, O
Dimensional	Thickness Measuring Instruments (Eddy Current)	22 µm to 1 080 µm	0.8 % of reading	Foil Set	ISO 2360	F1, F2	F, O
Dimensional	Thickness Measuring Instruments (Magnetic Induction)	5.1 µm to 21 µm	2 % of reading	Foil Set	ISO 2178	F1, F2	F, O
Dimensional	Thickness Measuring Instruments (Magnetic Induction)	22 µm to 1 080 µm	0.8 % of reading	Foil Set	ISO 2178	F1, F2	F, O
Dimensional	Thickness Measuring Instruments (X-ray Fluorescence)	Up to 40 µm	3.6 % of reading	Thickness Standard & Foil Set	ISO 3497	F1, F2	F, O
Dimensional	Thickness Measuring Instruments (Coulometric Method)	Up to 40 µm	1.6 % of reading	Thickness Standard Comparator	ISO 2177	F1, F2	F, 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.

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

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
F	Conformity assessment activity is performed at the CAB's fixed facility
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.