



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

### ***Elcometer Inc.***

***6900 Miller Road, Warren, MI 48092***

*(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):

***Chemical, Dimensional, Electrical, Optical and Mechanical Calibration***  
*(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:*

November 04, 2021

*Issue Date:*

March 19, 2024

*Expiration Date:*

June 30, 2026

Tracy Szerszen  
President

*Accreditation No.*

117240

*: Certificate No.:*

L24-219

Perry Johnson Laboratory  
Accreditation, Inc. (PJLA)  
755 W Rio Reaver Suite 1325

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



# Certificate of Accreditation: Supplement

## Elcometer Inc.

6900 Miller Road, Warren, MI 48092  
 Contact Name: Chris Beninati Phone: 248-650-0500

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

### Chemical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Soluble Salt Profilers <sup>o</sup> (Conductivity)	0.5 $\mu\text{g}/\text{cm}^2$ to 47.4 $\mu\text{g}/\text{cm}^2$	0.010 $\mu\text{g}/\text{cm}^2$	Elcometer conductivity tiles	Procedures: TMA 0577, UKASP021, 022

### Dimensional

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Profilometers <sup>o</sup>	0.1 mil to 20 mil	0.19 mil	Elcometer Ltd. Foil Gage Blocks	Procedures QIN 0244,
Ultrasonic Thickness Gauges <sup>o</sup>	0.1 in to 1.0 in	0.001 0 in	Elcometer Ltd. Step blocks, Gage Blocks	Procedures TMA-0600
Coating Thickness Gages <sup>o</sup>	0.1 mil to 20 mil	0.055 mil	Elcometer DFT standards (range of 16 foils), Gage Blocks	Procedure QIN-0225
	18 mil to 150 mil	0.58 mil		
	80 mil to 500 mil	1.3 mil		
	35 mil to 1 000 mil	1.7 mil		

### Electrical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
DC Voltage – Measure <sup>o</sup>	9 V to 90 V	0.087 V	Fluke 45 Digital multimeter	Procedure TMA-0395
	1 kV to 30 kV	0.069 kV	Fluke 45 Digital Multimeter, High voltage probe	Procedure: OEM QIN-0247, QIN-0204
DC High Voltage <sup>o</sup>	1 kV to 5 kV	0.16 kV	Tektronix TBS2202B 200Mhz 2 channel Oscilloscope, High Voltage Divider (Probe)	Procedure OEM/ QIN-0258; TMA-0495
	5 kV to 15 kV	0.51 kV		
	15 kV to 25 kV	0.76 kV		
	25 kV to 35 kV	1.1 kV		



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### Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Pull-off Adhesion Gage <sup>o</sup>	1 psi to 3 200 psi	6.5 psi	Elcometer Digital adhesion verification unit T99923924	Procedure: TMA 0461, TMA 0576, TMA 0636
	1 MPa to 26 MPa	0.12 MPa		

### Optical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED
Gloss – Measuring Equipment <sup>o</sup>	15 GU to 100 GU 60°	0.50 GU	Elcometer Gloss tiles T48024798	Procedure TMA-0596

1. The CMC (Calibration and Measurement Capability) 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 CMC 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 laboratories range of calibration capability for all disciplines for which they are 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. The presence of a superscript F means that the laboratory performs calibration of the indicated parameter at its fixed location.
4. The presence of a superscript O means that the laboratory performs calibration of the indicated parameter onsite at customer locations.
5. Measurement uncertainties obtained for calibrations performed at customer sites can be expected to be larger than the measurement uncertainties obtained at the laboratories 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 laboratories fixed location.