PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Experior Laboratories, Inc.

1635 Ives Avenue, Oxnard, CA 93033

(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):

Mechanical and Optical 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:

Tracy Szerszen
President

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

Initial Accreditation Date:	*Issue Date:*	*Expiration Date:*
June 12, 2005	January 15, 2024	February 28, 2026

Accreditation No:	*Certificate No:*
59356	L24-43

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

Experior Laboratories, Inc.
1635 Ives Avenue, Oxnard, CA 93033
Contact Name: Ryan Laudato Phone: 805-483-3400

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

Optical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Optical Attenuator -Attenuation [F]	0.1 dB to 70 dB	0.017 dB	Agilent 81624A Optical Power Head Procedure #EPWI-1000
Optical Power Meter -Power [F] (450 to 800 nm)	0.1 nW to 10 mW	4.14 % of reading	Agilent 81624A Optical Power Head Procedure #EPWI-1006
Power [F] (800 to 1 650 nm)	100 nW to 50 mW	16.13 % of reading	Thorlabs S120VC Detector, Thorlabs PM100A Power Meter Procedure #EPWI-1006
Linearity [F] (800 to 1 650 nm)	0.1 to 70 dB	0.019 dB	Superposition ratio method from IEC-61315 Procedure #EPWI-1006
Loss Test Set -Loss [F]	0.1 dB to 70 dB	0.017 dB	Agilent 81624A Optical Power Head, Agilent 81610A Return Loss, Procedure # EPWI-1097
Return Loss [F]	14 dB to 70 dB	0.25 dB	
Optical Source -Power [F]	0.1 nW to 10 mW	4.14% of reading	Agilent 81624A Optical Power Head, Agilent 86142B Optical Spectrum Analyzer Procedure # EPWI-1037
Wavelength [F]	600 to 1 700 nm	1 nm	
Spectral Bandwidth [F]	0.132 nm to 1 100 nm	0.044 nm	
Wavelength Meter -Wavelength [F]	1 510 nm to 1 540 nm	0.9 pm	NIST SRM 2517 Acetylene Absorption Cell Procedure #EPWI-1030

Mechanical

MEASURED INSTRUMENT, QUANTITY OR GAUGE	RANGE (AND SPECIFICATION WHERE APPROPRIATE)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY (±)	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED
Accelerometer [F] Vibration Sensitivity / Frequency Response	5 Hz to 15 000 Hz	5 Hz to 9 Hz = ±1.7 %	Reference Accelerometer with electrodynamic shaker using back-to-back comparison method The Modal Shop 9155D Accelerometer Calibration Workstation Procedure # EPWI-1258
		10 Hz to 99 Hz = ±1.2 %	
		100 Hz = ± 0.75 %	
		101 Hz to 920 Hz = ±1.0 %	
		921 Hz to 5 000 Hz= ±1.4 %	
		5 001 Hz to 10 000 Hz= ±1.9 %	
		10 001 Hz to 15 000 Hz=±2.2 %	
Accelerometer Shock [F]	20 g to 10 000 g	2.2 %	Reference Accelerometer with pneumatic shock machine using back-to-back comparison method The Modal Shop 9155D Accelerometer Calibration Workstation Procedure # EPWI-1258

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Contact Name: Ryan Laudato Phone: 805-483-3400

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

1. The CMC (Calibration and Measurement Capability) stated for calibrations included on this scope of accreditation represent the smallest measurement uncertainties attainable by the laboratory when performing a more or less routine calibration of a nearly ideal device under nearly ideal conditions. It is 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. Example: Outside Micrometer^{F} would mean that the laboratory performs this calibration at its fixed location.