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 17025:2005

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):

Laboratory Calibration of Fiber Optic Test Instruments

(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:	*Issue Date:*	*Expiration Date:*
June 12, 2005	November 27, 2015	December 31, 2017

Accreditation No:	*Certificate No:*
59356	L15-391

Tracy Szerszen
President/Operations Manager

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

Experior Laboratories, Inc.
1635 Ives Avenue, Oxnard, CA 93033
Steve Hollinger 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
Power 800 nm to 1 600 nm[F]	0.1 nW to 10 mW	4.14 % of reading	Agilent 81624A Optical Power Head
Power 450 nm to 1 100 nm[F]	100 nW to 50 mW	6.36 % of reading	Thorlabs S120VC Detector, Thorlabs PM100A Power Meter
Wavelength[F]	1 510 nm to 1 540 nm	0.9 pm	NIST SRM 2517 Acetylene Absorption Cell
	600 nm to 1 700 nm	1 nm	Agilent 86142B Optical Spectrum Analyzer
Sensitivity[F]	0.1 nW to 10 mW	4.02 % of reading	Agilent 81624A Optical Power Head
Return Loss[F]	14 dB to 70 dB	0.25 dB	Agilent 81000 BR Single Mode Reflector
Loss[F]	0.1 dB to 70 dB	0.017 dB	Agilent 81624A Optical Power Head
Attenuation[F]	0.1 dB to 70 dB	0.017 dB	
Linearity[F]	0.1 dB to 70 dB	0.019 dB	Super Position Ratio
Spectral Bandwidth[F]	0.132 nm to 1 100 nm	0.044 nm	Agilent 86142B Optical Spectrum Analyzer

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.