



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## *Certificate of Accreditation*

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

***Grupo Cormac, S.A. de C.V.***

***Licenciado Arturo B. de la Garza, No. 113, Col. Burócratas del Estado  
Monterrey, Nuevo León, México. C.P. 64380***

*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:

***Optical 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:

Tracy Szerszen  
President

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

*Initial Accreditation Date:*

February 17, 2022

*Issue Date:*

January 16, 2024

*Expiration Date:*

April 30, 2026

*Revision Date:*

March 17, 2025

*Accreditation No.:*

101498

*Certificate No.:*

L24-50-R1

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



## Certificate of Accreditation: Supplement

### Grupo Cormac, S.A. de C.V.

Licenciado Arturo B. de la Garza, No. 113, Col. Burócratas del Estado

Monterrey, Nuevo León, México. C.P. 64380

Contact Name: Alejandro Balderas Phone: 818-333-5535

*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)	CALIBRATION AND MEASUREMENT CAPABILITY EXPRESSED AS AN UNCERTAINTY ( $\pm$ )	CALIBRATION EQUIPMENT AND REFERENCE STANDARDS USED	CALIBRATION MEASUREMENT METHOD OR PROCEDURES USED	LOCATION OF ACTIVITY
Optical	Optical Time Domain Reflectometer Wavelength 1310 nm and 1550 nm (OTDR): Distance	2.3 km	0.000 8 km	2.3 km Singlemode Length Reference Fibre	IEC 61746-1 Distance Calibration Methods (6.3 Concatenated Fibre Method)	F
	Optical Time Domain Reflectometer Wavelength from 1270 nm to 1610 nm (OTDR): Distance	2.3 km	0.000 8 km			F
	Optical Time Domain Reflectometer Wavelength 1310 nm (OTDR): Attenuation (Loss Calibration)	2 dB to 20 dB	0.033 dB	12 Km Singlemode Attenuation Reference Fibre	IEC 61746-1 Loss Calibration Methods (8.2 Fibre Standard Method)	F
	Optical Time Domain Reflectometer Wavelength 1550 nm (OTDR): Attenuation (Loss Calibration)	2 dB to 20 dB	0.033 dB			F

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.



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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. Location of activity:

<b>Location Code</b>	<b>Location</b>
F	Conformity assessment activity is performed at the CABs fixed facility
4. 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.

