CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Ocean Optics, Inc.
3500 Quadrangle Blvd.
Orlando, FL 32817
(and satellite site as shown on the scope)

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 05 March 2028

Certificate Number: AC-2856

This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Ocean Optics, Inc.

3500 Quadrangle Blvd.
Orlando, FL 32817

Laura Mayor (321) 304-4630
laura.mayor@oceanoptics.com

CALIBRATION

ISO/IEC 17025 Accreditation Granted: **20 February 2026**

Certificate Number: **AC-2856** Certificate Expiry Date: **05 March 2028**

Photometry and Radiometry

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Spectral Responsivity [1] (QE PRO UV-NIR Spectrometer)	(1 E-10 to 1) µJ/count		Comparison to FEL Lamp
	(210 to <250) nm	16 % of reading	
	(250 to <300) nm	11 % of reading	
	(300 to <350) nm	11 % of reading	
	(350 to <400) nm	12 % of reading	
	(400 to <450) nm	7.9 % of reading	
	(450 to <500) nm	5.8 % of reading	
	(500 to <550) nm	4.6 % of reading	
	(550 to <600) nm	3.9 % of reading	
	(600 to <650) nm	3.4 % of reading	
	(650 to <700) nm	3 % of reading	
	(700 to <750) nm	2.8 % of reading	
	(750 to <800) nm	2.8 % of reading	
	(800 to <850) nm	2.8 % of reading	
	(850 to <900) nm	2.9 % of reading	
	(900 to <950) nm	3 % of reading	
	(950 to <1 000) nm	3.3 % of reading	
	(1 000 to <1 050) nm	3.4 % of reading	
Spectral Responsivity [1] (NQ 512-1.7 Spectrometer)	(1 E-10 to 1) µJ/count		Comparison to FEL Lamp
	(950 to <1 000) nm	5.9 % of reading	
	(1 000 to <1 050) nm	5.9 % of reading	
	(1 050 to <1 100) nm	5.9 % of reading	
	(1 100 to <1 150) nm	5.9 % of reading	
	(1 150 to <1 200) nm	5.9 % of reading	

Photometry and Radiometry

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Spectral Responsivity [1] (NQ 512-1.7 Spectrometer)	(1 $^{E-10}$ to 1) µJ/count (1 200 to <1 250) nm (1 250 to <1 300) nm (1 300 to <1 350) nm (1 350 to <1 400) nm (1 400 to <1 450) nm (1 450 to <1 500) nm (1 500 to <1 550) nm (1 550 to <1 600) nm (1 600 to <1 650) nm	 5.9 % of reading 6 % of reading 5.9 % of reading 6.2 % of reading 5.9 % of reading 6 % of reading 6.1 % of reading 6 % of reading 6 % of reading	Comparison to FEL Lamp

Services performed at Satellite Laboratory

Maybachstrasse 11
Ostfildern, D-73760, Germany

Local Contact Zimon Norlin
zimon.norlin@oceanoptics.com
+49 711 3416960

Photometry and Radiometry

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Spectral Responsivity [1] (QE PRO UV-NIR Spectrometer)	(1 $^{E-10}$ to 1) µJ/count (210 to <250) nm (250 to <300) nm (300 to <350) nm (350 to <400) nm (400 to <450) nm (450 to <500) nm (500 to <550) nm (550 to <600) nm (600 to <650) nm (650 to <700) nm (700 to <750) nm (750 to <800) nm	 16 % of reading 11 % of reading 11 % of reading 12 % of reading 7.9 % of reading 5.8 % of reading 4.6 % of reading 3.9 % of reading 3.4 % of reading 3 % of reading 2.8 % of reading 2.8 % of reading	Comparison to FEL Lamp

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www.anab.org

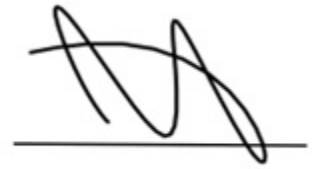
Photometry and Radiometry

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Spectral Responsivity [1] (QE PRO UV-NIR Spectrometer)	(1 E-10 to 1) µJ/count (800 to <850) nm (850 to <900) nm (900 to <950) nm (950 to <1 000) nm (1 000 to <1 050) nm	 2.8 % of reading 2.9 % of reading 3 % of reading 3.3 % of reading 3.4 % of reading	Comparison to FEL Lamp
Spectral Responsivity [1] (NQ 512-1.7 Spectrometer)	(1 E-10 to 1) µJ/count (950 to <1 000) nm (1 000 to <1 050) nm (1 050 to <1 100) nm (1 100 to <1 150) nm (1 150 to <1 200) nm (1 200 to <1 250) nm (1 250 to <1 300) nm (1 300 to <1 350) nm (1 350 to <1 400) nm (1 400 to <1 450) nm (1 450 to <1 500) nm(1 500 to <1 550) nm (1 550 to <1 600) nm (1 600 to <1 650) nm (1 650 to <1 700) nm	 5.9 % of reading 5.9 % of reading 5.9 % of reading 5.9 % of reading 5.9 % of reading 5.9 % of reading 6 % of reading 5.9 % of reading 6.2 % of reading 5.9 % of reading 6 % of reading 6.1 % of reading 6 % of reading 6 % of reading 21 % of reading	Comparison to FEL Lamp

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.



Jason Stine, Vice President

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