SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540-1-1994

COASTAL INSTRUMENTS, INC.
707 Enterprise Drive
PO Box 699
Burgaw, NC 28425
Brad Darby Phone: 910 259 4485

CALIBRATION

Valid To: November 30, 2024 Certificate Number: 2235.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1, 3, 4]:

I. Fluid Quantities

Parameter/Equipment	Range	CMC[2] (±)	Comments
Gas Flow – Mass and Volumetric Flow Device	1 sccm to 10 slpm (10 to 30) slpm (30 to 100) slpm (100 to 1000) slpm (1000 to 2500) slpm	0.20 % of reading 0.31 % of reading 0.50 % of reading 0.26 % of reading 0.65 % of reading	Primary and working standards

[1] This laboratory offers commercial calibration service.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

[3] Equipment repair and/or adjustment services may be offered by this organization; please contact them directly for more information. Please note that repair and adjustment services are not covered by this scope of accreditation.

[4] This scope meets A2LA's *P112 Flexible Scope Policy*.

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Accredited Laboratory

A2LA has accredited

COASTAL INSTRUMENTS, INC.

Burgaw, NC

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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*).

Presented this 29th day of October 2022.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2235.01
Valid to November 30, 2024
Revised March 15, 2023

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.