



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

COLORADO ENGINEERING EXPERIMENT STATION, INC.
 54043 County Rd 37
 Nunn, CO 80648
 John Reiner Phone: 970-897-2711

CALIBRATION

Valid To: January 31, 2026

Certificate Number: 5717.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 5, 6}:

I. Fluid Quantities

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Flow Meters –			
Compressible Gases	(0.005 to 0.15) lb/min (>0.15 to 1.50) lb/min (>1.5 to 300) lb/min (>300 to 1370) lb/min (>1370 to 5100) lb/min	0.13 % 0.10 % 0.11 % 0.15 % 0.20 %	Critical flow venturis
Water	(0.1 to 1950) gpm	0.10 %	Liquid flow system
Natural Gas	(0.005 to 94) lb/s	0.33 %	Natural gas test facility
Water	(0.005 to 25) lb/s	0.20 %	Multiphase flow
Oil	(0.005 to 25) lb/s	0.20 %	Multiphase flow

Satellite Location

COLORADO ENGINEERING EXPERIMENT STATION, INC.
 2365 240th Street,
 Garner, IA 50438
 John Reiner Phone: 970-897-2711

Parameter/Equipment	Range	CMC ^{2,3} (±)	Comments
Flow Meters ⁴ – Natural Gas	(42 to 900) acfh (>900 to 40 000) acfh (>40 000 to 60 000) acfh (>60 000 to 250 000) acfh (>250 000 to 1 100 000) acfh (>1 100 000 to 1 330 000) acfh	0.24 % 0.23 % 0.21 % 0.18 % 0.16 % 0.17 %	Natural gas system

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 In the statement of CMC, percentages are percentages of reading.

⁴ Up to 10 flow standards can be placed in parallel to achieve required flow rate.

⁵ This accreditation covers calibrations performed at the main laboratory and the following satellite laboratories listed above.

⁶ This scope meets A2LA’s *P112 Flexible Scope Policy*.





Accredited Laboratory

A2LA has accredited

COLORADO ENGINEERING EXPERIMENT STATION, INC.

Nunn, CO

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/NCCL 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 18th day of January 2024.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5717.01
Valid to January 31, 2026

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