



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

### **Metrology Services, Inc.**

**775 Pleasant Street, Suite 13  
Weymouth, MA 02189**

Fulfills the requirements of

### **ISO/IEC 17025:2017**

and national standard

### **ANSI/NCSL Z540-1-1994 (R2002)**

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](http://www.anab.org).

A handwritten signature in black ink, appearing to be 'J. Stine', is positioned above a horizontal line.

Jason Stine, Vice President  
Expiry Date: 22 June 2025  
Certificate Number: AC-1231



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

AND

ANSI/NCSL Z540-1-1994 (R2002)

**Metrology Services, Inc.**

775 Pleasant Street, Suite 13  
Weymouth, MA 02189  
David Phaneuf 781-331-3450

### CALIBRATION

Valid to: **June 22, 2025**

Certificate Number: AC-1231

#### Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Calipers <sup>1</sup>	Up to 60 in	$(257 + 18L) \mu\text{in}$	Gage Blocks
Micrometers <sup>1</sup>	Up to 36 in	$(75 + 11L) \mu\text{in}$	
Indicators, Indicating Gages <sup>1</sup>	Up to 4 in	$(78 + 16L) \mu\text{in}$	Micrometer Head
Test Indicators	Up to 0.08 in	84 $\mu\text{in}$	
High Accuracy Indicator	0.000 2 in range	6.9 $\mu\text{in}$	Universal Length Measuring Machine
Thread Plugs <sup>1</sup>	Up to 8 in	$(17.9 + 4.2L) \mu\text{in}$	Universal Length Measuring Machine, Gage Blocks
Thread Rings <sup>1</sup>	Up to 8 in	$(17.9 + 4.2L) \mu\text{in}$	Set Plugs
Cylindrical Rings <sup>1</sup>	(0.08 to 0.4) in (0.4 to 12) in	19 $\mu\text{in}$ $(18 + 3L) \mu\text{in}$	Universal Length Measuring Machine, Gage Blocks
Cylindrical Plugs <sup>1</sup>	Up to 12 in	$(12.5 + 4.5L) \mu\text{in}$	
Height Gages	Up to 40 in	250 $\mu\text{in}$	Gage Blocks, Surface Plate
Height Masters	Up to 12 in (12 to 18) in	98 $\mu\text{in}$ 130 $\mu\text{in}$	Gage Blocks, Electronic Indicator
Micrometer Heads	Up to 2 in	66 $\mu\text{in}$	Gage Blocks, Electronic Indicator

## Length – Dimensional Metrology

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Thread Wires	(4 to 120) TPI	9.3 $\mu$ in	Universal Length Measuring Machine, Gage Blocks
Linear Measuring Machines <sup>1</sup>	Up to 4 in	(2.1 + 8.6L) $\mu$ in	Gage Blocks
Optical Comparators X-Y Travel	Up to 30 in	120 $\mu$ in	Glass Scales
Bore Micrometers <sup>1</sup>	Up to 7 in	(73.3 + 9.3L) $\mu$ in	Master Ring Gages
Pipe Thread Plugs Pitch Diameter	(0.062 5 to 2) in	170 $\mu$ in	Height Master, Thread Wires, Fixture
Pipe Thread Rings	(0.062 5 to 2) in	170 $\mu$ in	Uncertainty from the Master Pipe Thread Plug

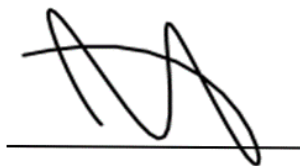
## Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Torque Wrenches	(2.5 to 25) ozf·in Up to 25 lbf·in Up to 300 lbf·in Up to 250 lbf·ft	0.46 % of reading 0.46 % of reading 0.28 % of reading 0.2 % of reading	Sturtevant Richmond Torque Tester

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.  $L$  = length in inches.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1231.
3. Metrology Services Company Inc. dba Metrology Services, Inc.



Jason Stine, Vice President