



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

National Standards Testing Laboratory
15753 Crabbs Branch Way
Rockville, MD 20855

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.

Jason Stine, Vice President

Expiry Date: 02 December 2026
Certificate Number: L2271



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)

National Standards Testing laboratory

15753 Crabbs Branch Way

Rockville, MD 20855

Daniel J. Duggan 301-590-0097

Danduggan33@aol.com www.forcelab.com

CALIBRATION

Valid to: **December 2, 2026**

Certificate Number: **L2271**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Mechanical Compression and Tension (Load Cells, Proving Rings, and Force Gages)	(44.5 to 53 379) N (10 to 12 000) lbf	0.002 % of applied force	Dead Weights per ASTM E74 and ISO 376
	(53 379 to 4 448 220) N (12 000 to 1 000 000) lbf	0.01 % of applied force	Transfer Standards per ASTM E74 and ISO 376
Portable Testing Machines (in lab only)	(44.5 to 8896.4) N (10 to 2 000) lbf	0.1 % of applied force	Dead Weights per ASTM E4
Compression and Tension ¹ Testing Machines	(222.4 to 26 689 320) N (50 to 6 000 000) lbf	0.25 % of applied force	Transfer Standards per ASTM E4

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.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L2271.



Jason Stine, Vice President