



# National Voluntary Laboratory Accreditation Program



## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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### CALIBRATION LABORATORIES

**NVLAP LAB CODE 200662-0**

**NVLAP Code:** 20/A01                      ANSI/NCSL Z540-1-1994; Part 1                      Compliant

### MECHANICAL

**NVLAP Code:** 20/M06  
 Force – ASTM E-74

Free Weights

<b>Range</b>	<b>Best Uncertainty (<math>\pm</math>) in ppm <sup>note 1</sup></b>	<b>Remarks</b>
1 gf to 50 lbf	50	Tension & Compression

Dead Weight Method

<b>Range</b>	<b>Best Uncertainty (<math>\pm</math>) in ppm <sup>note 1</sup></b>	<b>Remarks</b>
1 gf to 1000 lbf	50	Tension & Compression

Transfer Standard Method

<b>Range in lbf</b>	<b>Best Uncertainty (<math>\pm</math>) in % <sup>note 1</sup></b>	<b>Remarks</b>
10 to 112 k	0.025 <sup>note 2</sup>	Tension & Compression
50 k to 1000 k	0.050	Compression
50 k to 800 k	0.050	Tension

Indicators - DC mV/V voltage ratio measurement (force and torque)

<b>Range in mV/V</b>	<b>Best Uncertainty (<math>\pm</math>) in % <sup>note 1</sup></b>	<b>Remarks</b>
0 to 10	0.0030	

2009-04-01 through 2010-03-31

Effective dates

*Sally S. Bruce*

For the National Institute of Standards and Technology



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**CALIBRATION LABORATORIES**

**NVLAP LAB CODE 200662-0**

*NVLAP Code:* 20/M06

Torque

**Range**

1 in-oz to 2000 in-lbf

**Best Uncertainty ( $\pm$ ) in % <sup>note 1</sup>**

0.03

**Remarks**

Mechanical and Electronic torque  
Calibration equipment

- 
1. Represents an expanded uncertainty using a coverage factor,  $k = 2$ , at an approximate level of confidence of 95 %.
  2. Typical uncertainties may be up to 0.05 %.

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