



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

S. Himmelstein and Company
2490 Pembroke Avenue
Hoffman Estates, IL 60195-2077
Mr. Richard Tveter
Phone: 847-843-3300 Fax: 847-843-8488
E-mail: rstveter@aol.com
URL: <http://www.himmelstein.com>

CALIBRATION LABORATORIES

NVLAP LAB CODE 200487-0

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

ELECTROMAGNETICS - DC/LOW FREQUENCY

NVLAP Code: 20/E06
DC Voltage

<i>Range in mV/V</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
1 to 4.5	0.16 µV/V	

MECHANICAL

NVLAP Code: 20/M06
Force - Calibration of Load Cells

<i>Range in lbs</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
5 to 500	0.03 % F.S.	

NVLAP Code: 20/M06
Torque - Calibration of Torque Devices

<i>Full Scale Range in lbf-in</i>	<i>Best Uncertainty (±) in % ^{notes 1, 2, 3}</i>	<i>Remarks</i>
0.625 to 24	0.040	4" lever arm length
25 to 200	0.035	12.5" lever arm length
201 to 2000	0.030	25" lever arm length
2 001 to 20 000	0.030	40" lever arm length

2008-10-01 through 2009-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



CALIBRATION LABORATORIES

NVLAP LAB CODE 200487-0

20 001 to 100 000	0.027	100" lever arm length
100 001 to 349 000	0.065	720" lever arm length
350 000 to 4 000 000	0.041	50" lever arm length

NVLAP Code: 20/M14
Shaft Speed (RPM)

Range in RPM	Best Uncertainty (\pm)^{note 1}	Remarks
900 to 10 000	1.5 RPM or 0.03 % whichever is greater	

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95%.
2. Represents uncertainty of full scale.
3. All loading is applied by dead weights except when using the 50" arm which uses a load cell.

2008-10-01 through 2009-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology