



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

New Hampshire Metrology Laboratory
P.O. Box 2042
25 Capitol Street
Concord, NH 03302-2042
Mr. Timothy L. Osmer
Phone: 603-271-0894 Fax: 603-271-1109
E-mail: timothy.osmer@agr.nh.gov

CALIBRATION LABORATORIES

NVLAP LAB CODE 200649-0
Scope Revised: 2011-07-18

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

MECHANICAL

NVLAP Code: 20/M08
Mass - Metric

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
20 kg	5.2 mg	Echelon I
10 kg	2.4 mg	Echelon I
5 kg	3.0 mg	Echelon I
3 kg	1.9 mg	Echelon I
2 kg	0.44 mg	Echelon I
1 kg	61 µg	Echelon I
500 g	33 µg	Echelon I
300 g	25 µg	Echelon I
200 g	20 µg	Echelon I
100 g	18 µg	Echelon I
50 g	11 µg	Echelon I
30 g	7.9 µg	Echelon I
20 g	6.8 µg	Echelon I
10 g	5.7 µg	Echelon I
5 g	4.2 µg	Echelon I

2011-07-01 through 2012-06-30

Effective dates

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



CALIBRATION LABORATORIES

NVLAP LAB CODE 200649-0
Scope Revised: 2011-07-18

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
3 g	3.4 µg	Echelon I
2 g	3.2 µg	Echelon I
1 g	3.4 µg	Echelon I
500 mg	2.5 µg	Echelon I
300 mg	2.3 µg	Echelon I
200 mg	2.2 µg	Echelon I
100 mg	1.2 µg	Echelon I
50 mg	1.1 µg	Echelon I
30 mg	1.1 µg	Echelon I
20 mg	1.1 µg	Echelon I
10 mg	0.89 µg	Echelon I
5 mg	0.80 µg	Echelon I
3 mg	0.79 µg	Echelon I
2 mg	0.77 µg	Echelon I
1 mg	0.28 µg	Echelon I
30 kg	22 mg	Echelon II
25 kg	12 mg	Echelon II
20 kg	9.5 mg	Echelon II
10 kg	2.4 mg	Echelon II
5 kg	3.5 mg	Echelon II
4 kg	2.7 mg	Echelon II
3 kg	2.6 mg	Echelon II
2 kg	0.62 mg	Echelon II
1 kg	94 µg	Echelon II
500 g	79 µg	Echelon II
400 g	83 µg	Echelon II
300 g	76 µg	Echelon II
200 g	75 µg	Echelon II
100 g	23 µg	Echelon II
50 g	17 µg	Echelon II
30 g	16 µg	Echelon II

2011-07-01 through 2012-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



National Voluntary Laboratory Accreditation Program



CALIBRATION LABORATORIES

NVLAP LAB CODE 200649-0
Scope Revised: 2011-07-18

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
20 g	15 µg	Echelon II
10 g	11 µg	Echelon II
5 g	3.9 µg	Echelon II
3 g	3.1 µg	Echelon II
2 g	2.8 µg	Echelon II
1 g	2.8 µg	Echelon II
500 mg	1.6 µg	Echelon II
300 mg	1.2 µg	Echelon II
200 mg	1.0 µg	Echelon II
100 mg	0.75 µg	Echelon II
50 mg	0.55 µg	Echelon II
30 mg	0.52 µg	Echelon II
20 mg	0.48 µg	Echelon II
10 mg	0.58 µg	Echelon II
5 mg	0.42 µg	Echelon II
3 mg	0.39 µg	Echelon II
2 mg	0.36 µg	Echelon II
1 mg	0.38 µg	Echelon II
Mass - Avoirdupois		
50 lb	28 mg	Echelon II
30 lb	17 mg	Echelon II
25 lb	14 mg	Echelon II
20 lb	11 mg	Echelon II
10 lb	5.4 mg	Echelon II
5 lb	2.7 mg	Echelon II
3 lb	1.7 mg	Echelon II
2 lb	1.1 mg	Echelon II
1 lb	82 µg	Echelon II
0.5 lb	79 µg	Echelon II
0.3 lb	76 µg	Echelon II
0.2 lb	22 µg	Echelon II

2011-07-01 through 2012-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



National Voluntary Laboratory Accreditation Program



CALIBRATION LABORATORIES

NVLAP LAB CODE 200649-0
Scope Revised: 2011-07-18

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
0.1 lb	23 µg	Echelon II
0.05 lb	17 µg	Echelon II
0.03 lb	16 µg	Echelon II
0.02 lb	8.3 µg	Echelon II
0.01 lb	6.1 µg	Echelon II
0.005 lb	4.2 µg	Echelon II
0.003 lb	3.4 µg	Echelon II
0.002 lb	3.3 µg	Echelon II
0.001 lb	3.4 µg	Echelon II
Mass – Metric		
50 kg	140 mg	Echelon III
30 kg	140 mg	Echelon III
25 kg	54 mg	Echelon III
20 kg	53 mg	Echelon III
10 kg	52 mg	Echelon III
8 kg	7.9 mg	Echelon III
5 kg	6.9 mg	Echelon III
3 kg	6.5 mg	Echelon III
2 kg	2.6 mg	Echelon III
1 kg	2.2 mg	Echelon III
500 g	1.6 mg	Echelon III
400 g	1.6 mg	Echelon III
300 g	1.6 mg	Echelon III
200 g	1.6 mg	Echelon III
100 g	1.6 mg	Echelon III
50 g	1.6 mg	Echelon III
30 g	82 µg	Echelon III
20 g	82 µg	Echelon III
10 g	82 µg	Echelon III
5 g	89 µg	Echelon III
3 g	89 µg	Echelon III

2011-07-01 through 2012-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



National Voluntary Laboratory Accreditation Program



CALIBRATION LABORATORIES

NVLAP LAB CODE 200649-0
Scope Revised: 2011-07-18

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
2 g	89 µg	Echelon III
1 g	89 µg	Echelon III
500 mg	89 µg	Echelon III
300 mg	6.4 µg	Echelon III
200 mg	6.4 µg	Echelon III
100 mg	6.4 µg	Echelon III
50 mg	6.3 µg	Echelon III
30 mg	6.3 µg	Echelon III
20 mg	6.3 µg	Echelon III
10 mg	6.3 µg	Echelon III
5 mg	6.3 µg	Echelon III
3 mg	6.3 µg	Echelon III
2 mg	6.3 µg	Echelon III
1 mg	6.3 µg	Echelon III
Mass - Avoirdupois		
100 lb	170 mg	Echelon III
50 lb	76 mg	Echelon III
30 lb	61 mg	Echelon III
25 lb	61 mg	Echelon III
20 lb	59 mg	Echelon III
10 lb	8.4 mg	Echelon III
5 lb	3.5 mg	Echelon III
3 lb	2.9 mg	Echelon III
2 lb	2.7 mg	Echelon III
1 lb	1.7 mg	Echelon III
0.5 lb	1.7 mg	Echelon III
0.3 lb	1.7 mg	Echelon III
0.2 lb	1.7 mg	Echelon III
0.1 lb	0.13 mg	Echelon III
0.05 lb	0.13 mg	Echelon III
0.03 lb	0.13 mg	Echelon III
0.02 lb	96 µg	Echelon III

2011-07-01 through 2012-06-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



CALIBRATION LABORATORIES

NVLAP LAB CODE 200649-0
Scope Revised: 2011-07-18

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
0.01 lb	82 µg	Echelon III
0.005 lb	82 µg	Echelon III
0.003 lb	82 µg	Echelon III
0.002 lb	82 µg	Echelon III
0.001 lb	82 µg	Echelon III
4 oz	1.7 mg	Echelon III
2 oz	1.7 mg	Echelon III
1 oz	0.13 mg	Echelon III
1/2 oz	0.13 mg	Echelon III
1/4 oz	97 µg	Echelon III
1/8 oz	82 µg	Echelon III
1/16 oz	82 µg	Echelon III
1/32 oz	82 µg	Echelon III
0.20 oz	98 µg	Echelon III
0.10 oz	82 µg	Echelon III
0.05 oz	82 µg	Echelon III
0.02 oz	82 µg	Echelon III
0.01 oz	82 µg	Echelon III

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.

2011-07-01 through 2012-06-30

Effective dates

For the National Institute of Standards and Technology