



**National Voluntary  
Laboratory Accreditation Program**



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

**New Hampshire Metrology Laboratory**  
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**CALIBRATION LABORATORIES**

**NVLAP LAB CODE 200649-0**

*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 (<math>\pm</math>) <sup>note 1</sup></i>	<i>Remarks</i>
20 kg	8.4 mg	Echelon I
10 kg	2.4 mg	Echelon I
5 kg	3.2 mg	Echelon I
3 kg	2.2 mg	Echelon I
2 kg	0.44 mg	Echelon I
1 kg	61 $\mu$ g	Echelon I
500 g	33 $\mu$ g	Echelon I
300 g	24 $\mu$ g	Echelon I
200 g	18 $\mu$ g	Echelon I
100 g	18 $\mu$ g	Echelon I
50 g	10 $\mu$ g	Echelon I
30 g	6.9 $\mu$ g	Echelon I
20 g	5.4 $\mu$ g	Echelon I
10 g	5.3 $\mu$ g	Echelon I
5 g	2.8 $\mu$ g	Echelon I
3 g	1.9 $\mu$ g	Echelon I
2 g	1.5 $\mu$ g	Echelon I

2009-07-01 through 2010-06-30

*Effective dates*

*Sally S. Bruce*

*For the National Institute of Standards and Technology*



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1 g	1.4 µg	Echelon I
500 mg	1.1 µg	Echelon I
300 mg	0.94 µg	Echelon I
200 mg	0.90 µg	Echelon I
100 mg	1.0 µg	Echelon I
50 mg	0.58 µg	Echelon I
30 mg	0.48 µg	Echelon I
20 mg	0.38 µg	Echelon I
10 mg	0.44 µg	Echelon I
5 mg	0.28 µg	Echelon I
3 mg	0.26 µg	Echelon I
2 mg	0.26 µg	Echelon I
1 mg	0.28 µg	Echelon I
30 kg	22 mg	Echelon II
25 kg	18 mg	Echelon II
20 kg	16 mg	Echelon II
10 kg	2.4 mg	Echelon II
5 kg	3.6 mg	Echelon II
4 kg	2.7 mg	Echelon II
3 kg	2.7 mg	Echelon II
2 kg	0.71 mg	Echelon II
1 kg	97 µg	Echelon II
500 g	80 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
20 g	15 µg	Echelon II
10 g	11 µg	Echelon II
5 g	4.0 µg	Echelon II
3 g	3.3 µg	Echelon II
2 g	3.0 µg	Echelon II
1 g	3.2 µg	Echelon II

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500 mg	2.4 µg	Echelon II
300 mg	2.2 µg	Echelon II
200 mg	2.1 µg	Echelon II
100 mg	1.1 µg	Echelon II
50 mg	1.1 µg	Echelon II
30 mg	1.1 µg	Echelon II
20 mg	1.1 µg	Echelon II
10 mg	1.1 µg	Echelon II
5 mg	1.0 µg	Echelon II
3 mg	0.99 µg	Echelon II
2 mg	0.98 µg	Echelon II
1 mg	0.47 µg	Echelon II

Mass - Avoirdupois

50 lb	18 mg	Echelon II
30 lb	16 mg	Echelon II
25 lb	13 mg	Echelon II
20 lb	8.8 mg	Echelon II
10 lb	5.7 mg	Echelon II
5 lb	2.6 mg	Echelon II
3 lb	1.7 mg	Echelon II
2 lb	0.10 mg	Echelon II
1 lb	82 µg	Echelon II
0.5 lb	75 µg	Echelon II
0.3 lb	74 µg	Echelon II
0.2 lb	16 µg	Echelon II
0.1 lb	15 µg	Echelon II
0.05 lb	14 µg	Echelon II
0.03 lb	14 µg	Echelon II
0.02 lb	6.1 µg	Echelon II
0.01 lb	2.1 µg	Echelon II
0.005 lb	2.1 µg	Echelon II
0.003 lb	2.1 µg	Echelon II
0.002 lb	2.1 µg	Echelon II

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## CALIBRATION LABORATORIES

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0.001 lb	2.1 µg	Echelon II
Mass - Metric		
50 kg	139 mg	Echelon III
30 kg	136 mg	Echelon III
25 kg	54 mg	Echelon III
20 kg	53 mg	Echelon III
10 kg	52 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	1.9 mg	Echelon III
500 g	1.6 mg	Echelon III
300 g	1.6 mg	Echelon III
200 g	1.6 mg	Echelon III
100 g	43 µg	Echelon III
50 g	43 µg	Echelon III
30 g	43 µg	Echelon III
20 g	42 µg	Echelon III
10 g	42 µg	Echelon III
5 g	55 µg	Echelon III
3 g	55 µg	Echelon III
2 g	55 µg	Echelon III
1 g	55 µg	Echelon III
500 mg	55 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

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1 mg	6.3 µg	Echelon III
Mass - Avoirdupois		
100 lb	173 mg	Echelon III
50 lb	76 mg	Echelon III
25 lb	62 mg	Echelon III
20 lb	61 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	51 µg	Echelon III
0.05 lb	48 µg	Echelon III
0.03 lb	47 µg	Echelon III
0.02 lb	47 µg	Echelon III
0.01 lb	55 µg	Echelon III
0.005 lb	55 µg	Echelon III
0.003 lb	55 µg	Echelon III
0.002 lb	55 µg	Echelon III
0.001 lb	55 µg	Echelon III
4 oz	1.7 mg	Echelon III
2 oz	1.7 mg	Echelon III
1 oz	51 µg	Echelon III
1/2 oz	51 µg	Echelon III
1/4 oz	48 µg	Echelon III
1/8 oz	47 µg	Echelon III
1/16 oz	56 µg	Echelon III
1/32 oz	55 µg	Echelon III
0.20	56 µg	Echelon III
0.10	56 µg	Echelon III

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0.05	56 µg	Echelon III
0.02	55 µg	Echelon III
0.01	55 µg	Echelon III

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

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