



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Maine Department of Agriculture Metrology Laboratory

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200414-0

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 (±) ^{note 1}</i>	<i>Remarks</i>
30 kg	14 mg	Echelon I
25 kg	9.0 mg	Echelon I
20 kg	9.1 mg	Echelon I
10 kg	1.5 mg	Echelon I
5 kg	0.82 mg	Echelon I
4 kg	0.82 mg	Echelon I
3 kg	0.55 mg	Echelon I
2 kg	0.39 mg	Echelon I
1 kg	55 µg	Echelon I
500 g	28 µg	Echelon I
300 g	19 µg	Echelon I
200 g	12 µg	Echelon I
100 g	14 µg	Echelon I
50 g	9.6 µg	Echelon I
30 g	7.9 µg	Echelon I
20 g	7.3 µg	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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10 g	7.9 µg	Echelon I
5 g	3.8 µg	Echelon I
3 g	2.6 µg	Echelon I
2 g	2.2 µg	Echelon I
1 g	2.0 µg	Echelon I
500 mg	1.5 µg	Echelon I
300 mg	1.3 µg	Echelon I
200 mg	1.3 µg	Echelon I
100 mg	1.4 µg	Echelon I
50 mg	0.91 µg	Echelon I
30 mg	0.80 µg	Echelon I
20 mg	0.72 µg	Echelon I
10 mg	0.78 µg	Echelon I
5 mg	0.54 µg	Echelon I
3 mg	0.47 µg	Echelon I
2 mg	0.45 µg	Echelon I
1 mg	0.50 µg	Echelon I

Mass-Avoirdupois

1000 lb	1.2 g	Echelon I
500 lb	0.57 g	Echelon I
100 lb	40 mg	Echelon I
50 lb	16 mg	Echelon I
30 lb	9.8 mg	Echelon I
25 lb	6.9 mg	Echelon I
20 lb	3.8 mg	Echelon I
10 lb	1.6 mg	Echelon I
5 lb	0.84 mg	Echelon I
3 lb	0.56 mg	Echelon I
2 lb	56 µg	Echelon I
1 lb	65 µg	Echelon I
0.5 lb	39 µg	Echelon I
0.3 lb	28 µg	Echelon I
0.2 lb	24 µg	Echelon I

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0.1 lb	22 µg	Echelon I
0.05 lb	10 µg	Echelon I
0.03 lb	7.6 µg	Echelon I
0.02 lb	6.7 µg	Echelon I
0.01 lb	7.1 µg	Echelon I
0.005 lb	3.9 µg	Echelon I
0.003 lb	1.8 µg	Echelon I
0.002 lb	1.8 µg	Echelon I
1000 µlb	1.7 µg	Echelon I
500 µlb	1.4 µg	Echelon I
300 µlb	1.0 µg	Echelon I
200 µlb	0.88 µg	Echelon I
100 µlb	0.93 µg	Echelon I
50 µlb	0.72 µg	Echelon I
30 µlb	0.60 µg	Echelon I
20 µlb	0.59 µg	Echelon I
10 µlb	0.67 µg	Echelon I
5 µlb	0.48 µg	Echelon I
3 µlb	0.40 µg	Echelon I
2 µlb	0.38 µg	Echelon I
1 µlb	0.43 µg	Echelon I
Mass-Metric		
30 kg	14 mg	Echelon II
25 kg	9.4 mg	Echelon II
20 kg	9.1 mg	Echelon II
10 kg	1.5 mg	Echelon II
5 kg	1.0 mg	Echelon II
4 kg	0.82 mg	Echelon II
3 kg	0.58 mg	Echelon II
2 kg	0.54 mg	Echelon II
1 kg	75 µg	Echelon II
500 g	57 µg	Echelon II
300 g	54 µg	Echelon II
200 g	51 µg	Echelon II

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100 g	20 µg	Echelon II
50 g	18 µg	Echelon II
30 g	17 µg	Echelon II
20 g	17 µg	Echelon II
10 g	11 µg	Echelon II
5 g	6.4 µg	Echelon II
3 g	5.7 µg	Echelon II
2 g	5.6 µg	Echelon II
1 g	3.2 µg	Echelon II
500 mg	2.9 µg	Echelon II
300 mg	2.8 µg	Echelon II
200 mg	2.8 µg	Echelon II
100 mg	1.8 µg	Echelon II
50 mg	1.4 µg	Echelon II
30 mg	1.3 µg	Echelon II
20 mg	1.3 µg	Echelon II
10 mg	1.0 µg	Echelon II
5 mg	0.86 µg	Echelon II
3 mg	0.82 µg	Echelon II
2 mg	0.81 µg	Echelon II
1 mg	0.68 µg	Echelon II

Mass - Avoirdupois

4 oz	57 µg	Echelon II
2 oz	24 µg	Echelon II
1 oz	22 µg	Echelon II
½ oz	16 µg	Echelon II
¼ oz	10 µg	Echelon II
⅛ oz	5.6 µg	Echelon II
1/16 oz	6.8 µg	Echelon II
1/32 oz	5.6 µg	Echelon II
0.3 oz	10 µg	Echelon II
0.2 oz	8.7 µg	Echelon II
0.1 oz	6.7 µg	Echelon II

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0.05 oz	5.9 µg	Echelon II
Mass - Metric		
100 kg	0.80 g	Echelon III
75 kg	0.48 g	Echelon III
50 kg	0.41 g	Echelon III
30 kg	80 mg	Echelon III
25 kg	79 mg	Echelon III
20 kg	78 mg	Echelon III
10 kg	7.5 mg	Echelon III
5 kg	3.9 mg	Echelon III
3 kg	2.9 mg	Echelon III
2 kg	2.5 mg	Echelon III
1 kg	2.2 mg	Echelon III
500 g	2.1 mg	Echelon III
300 g	2.1 mg	Echelon III
200 g	2.1 mg	Echelon III
100 g	0.14 mg	Echelon III
50 g	0.13 mg	Echelon III
30 g	0.13 mg	Echelon III
20 g	0.13 mg	Echelon III
10 g	36 µg	Echelon III
5 g	35 µg	Echelon III
3 g	35 µg	Echelon III
2 g	35 µg	Echelon III
1 g	33 µg	Echelon III
500 mg	33 µg	Echelon III
300 mg	33 µg	Echelon III
200 mg	33 µg	Echelon III
100 mg	21 µg	Echelon III
50 mg	21 µg	Echelon III
30 mg	21 µg	Echelon III
20 mg	21 µg	Echelon III
10 mg	29 µg	Echelon III
5 mg	29 µg	Echelon III

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3 mg	29 µg	Echelon III
2 mg	29 µg	Echelon III
1 mg	29 µg	Echelon III
Mass – Avoirdupois		
1000 lb	1.9 g	Echelon III
500 lb	1.4 g	Echelon III
250 lb	0.88 g	Echelon III
100 lb	93 mg	Echelon III
50 lb	79 mg	Echelon III
30 lb	78 mg	Echelon III
25 lb	23 mg	Echelon III
20 lb	21 mg	Echelon III
10 lb	3.1 mg	Echelon III
5 lb	2.2 mg	Echelon III
3 lb	2.1 mg	Echelon III
2 lb	2.0 mg	Echelon III
1 lb	2.0 mg	Echelon III
0.5 lb	2.0 mg	Echelon III
0.3 lb	0.78 mg	Echelon III
0.2 lb	0.78 mg	Echelon III
0.1 lb	0.18 mg	Echelon III
0.05 lb	0.18 mg	Echelon III
0.03 lb	0.18 mg	Echelon III
0.02 lb	0.18 mg	Echelon III
0.01 lb	52 µg	Echelon III
0.005 lb	55 µg	Echelon III
0.003 lb	53 µg	Echelon III
0.002 lb	53 µg	Echelon III
0.001 lb	16 µg	Echelon III
4 oz	0.17 mg	Echelon III
2 oz	0.16 mg	Echelon III
1 oz	0.16 mg	Echelon III
½ oz	58 µg	Echelon III

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1/4 oz	56 µg	Echelon III
1/8 oz	56 µg	Echelon III
1/16 oz	56 µg	Echelon III
1/32 oz	60 µg	Echelon III
0.3 oz	56 µg	Echelon III
0.2 oz	56 µg	Echelon III
0.1 oz	56 µg	Echelon III
0.05 oz	56 µg	Echelon III
Weight Carts		
5000 lb	0.29 lb	Echelon III
4000 lb	0.29 lb	Echelon III
3000 lb	0.29 lb	Echelon III
2500 lb	0.29 lb	Echelon III
2000 lb	0.29 lb	Echelon III

NVLAP Code: 20/M12

Volume

Range	Best Uncertainty (\pm)^{note 1}	Remarks
120 gal	1.9 in ³	Gravimetric
100 gal	1.6 in ³	Gravimetric
50 gal	1.4 in ³	Gravimetric
25 gal	0.50 in ³	Gravimetric
15 gal	0.45 in ³	Gravimetric
10 gal	0.36 in ³	Gravimetric
5 gal	0.14 in ³	Gravimetric
1 gal	0.04 in ³	Gravimetric
2 qt	0.71 mL	Gravimetric
1 qt	0.15 mL	Gravimetric
1 gill	0.060 mL	Gravimetric
1500 gal	68 in ³	Volume Transfer
1000 gal	47 in ³	Volume Transfer

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500 gal	23 in ³	Volume Transfer
300	16 in ³	Volume Transfer
200	9.9 in ³	Volume Transfer
150	6.9 in ³	Volume Transfer
100	5.5 in ³	Volume Transfer
50	3.3 in ³	Volume Transfer
25	1.1 in ³	Volume Transfer
10	0.48 in ³	Volume Transfer
5	0.30 in ³	Volume Transfer

5000 L	1100 mL	Volume Transfer
3000 L	770 mL	Volume Transfer
2000 L	380 mL	Volume Transfer
1000 L	260 mL	Volume Transfer
500 L	110 mL	Volume Transfer
200 L	54 mL	Volume Transfer
100 L	18 mL	Volume Transfer
50 L	7.8 mL	Volume Transfer
20 L	4.9 mL	Volume Transfer
19 L	4.9 mL	Volume Transfer

LPG		
300 gal	0.077 gal	Volume Transfer
200 gal	0.055 gal	Volume Transfer
100 gal	0.036 gal	Volume Transfer
50 gal	0.028 gal	Volume Transfer
25 gal	0.011 gal	Volume Transfer
20 gal	0.010 gal	Volume Transfer

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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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A handwritten signature in cursive script that reads 'Sally S. Bruce'.

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