



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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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 (\pm) ^{note 1}</i>	<i>Remarks</i>
20 kg	13 mg	Echelon I
10 kg	4.0 mg	Echelon I
5 kg	3.0 mg	Echelon I
3 kg	1.9 mg	Echelon I
2 kg	0.56 mg	Echelon I
1 kg	61 μ g	Echelon I
500 g	33 μ g	Echelon I
300 g	24 μ g	Echelon I
200 g	18 μ g	Echelon I
100 g	18 μ g	Echelon I
50 g	10 μ g	Echelon I
30 g	6.9 μ g	Echelon I
20 g	5.4 μ g	Echelon I
10 g	5.3 μ g	Echelon I
5 g	2.8 μ g	Echelon I
3 g	1.9 μ g	Echelon I
2 g	1.5 μ g	Echelon I

2008-07-01 through 2009-06-30

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	19 mg	Echelon II
20 kg	18 mg	Echelon II
10 kg	5.1 mg	Echelon II
5 kg	3.2 mg	Echelon II
3 kg	2.1 mg	Echelon II
2 kg	1.4 mg	Echelon II
1 kg	83 µg	Echelon II
500 g	64 µg	Echelon II
300 g	60 µg	Echelon II
200 g	58 µg	Echelon II
100 g	26 µg	Echelon II
50 g	21 µg	Echelon II
30 g	19 µg	Echelon II
20 g	19 µg	Echelon II
10 g	7.9 µg	Echelon II
5 g	6.5 µg	Echelon II
3 g	6.1 µg	Echelon II
2 g	6.0 µg	Echelon II
1 g	2.3 µg	Echelon II
500 mg	2.0 µg	Echelon II

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300 mg	1.8 µg	Echelon II
200 mg	1.7 µg	Echelon II
100 mg	1.2 µg	Echelon II
50 mg	0.8 µg	Echelon II
30 mg	0.71 µg	Echelon II
20 mg	0.64 µg	Echelon II
10 mg	0.61 µg	Echelon II
5 mg	0.63 µg	Echelon II
3 mg	0.61 µg	Echelon II
2 mg	0.61 µg	Echelon II
1 mg	0.48 µg	Echelon II

Mass - Avoirdupois

50 lb	19 mg	Echelon II
30 lb	13 mg	Echelon II
25 lb	14 mg	Echelon II
20 lb	9.3 mg	Echelon II
10 lb	5.6 mg	Echelon II
5 lb	2.6 mg	Echelon II
3 lb	1.8 µg	Echelon II
2 lb	63 µg	Echelon II
1 lb	53 µg	Echelon II
0.5 lb	30 µg	Echelon II
0.3 lb	22 µg	Echelon II
0.2 lb	19 µg	Echelon II
0.1 lb	20 µg	Echelon II
0.05 lb	10 µg	Echelon II
0.03 lb	6.7 µg	Echelon II
0.02 lb	4.9 µg	Echelon II
0.01 lb	4.1 µg	Echelon II
0.005 lb	2.6 µg	Echelon II
0.003 lb	1.9 µg	Echelon II
0.002 lb	1.7 µg	Echelon II
0.001 lb	3.8 µg	Echelon II

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Mass - Metric

50 kg	108 mg	Echelon III
30 kg	69 mg	Echelon III
25 kg	65 mg	Echelon III
20 kg	65 mg	Echelon III
10 kg	64 mg	Echelon III
5 kg	5.2 mg	Echelon III
3 kg	4.6 mg	Echelon III
2 kg	2.3 mg	Echelon III
1 kg	1.8 mg	Echelon III
500 g	1.5 mg	Echelon III
300 g	1.5 mg	Echelon III
200 g	1.5 mg	Echelon III
100 g	75 µg	Echelon III
50 g	75 µg	Echelon III
30 g	75 µg	Echelon III
20 g	75 µg	Echelon III
10 g	75 µg	Echelon III
5 g	48 µg	Echelon III
3 g	48 µg	Echelon III
2 g	48 µg	Echelon III
1 g	48 µg	Echelon III
500 mg	47 µg	Echelon III
300 mg	6.2 µg	Echelon III
200 mg	6.2 µg	Echelon III
100 mg	6.2 µg	Echelon III
50 mg	6.2 µg	Echelon III
30 mg	6.2 µg	Echelon III
20 mg	6.2 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

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Mass - Avoirdupois

100 lb	129 mg	Echelon III
50 lb	73 mg	Echelon III
25 lb	64 mg	Echelon III
20 lb	61 mg	Echelon III
10 lb	10 mg	Echelon III
5 lb	4.6 mg	Echelon III
3 lb	3.6 mg	Echelon III
2 lb	3.4 mg	Echelon III
1 lb	1.5 mg	Echelon III
0.5 lb	1.5 mg	Echelon III
0.3 lb	1.5 mg	Echelon III
0.2 lb	1.5 mg	Echelon III
0.1 lb	78 µg	Echelon III
0.05 lb	76 µg	Echelon III
0.03 lb	75 µg	Echelon III
0.02 lb	75 µg	Echelon III
0.01 lb	48 µg	Echelon III
0.005 lb	49 µg	Echelon III
0.003 lb	49 µg	Echelon III
0.002 lb	48 µg	Echelon III
0.001 lb	48 µg	Echelon III
4 oz	1.5 mg	Echelon III
2 oz	1.5 mg	Echelon III
1 oz	76 µg	Echelon III
1/2 oz	76 µg	Echelon III
1/4 oz	75 µg	Echelon III
1/8 oz	75 µg	Echelon III
1/16 oz	49 µg	Echelon III
1/32 oz	48 µg	Echelon III
0.20	48 µg	Echelon III
0.10	48 µg	Echelon III
0.05	48 µg	Echelon III
0.02	48 µg	Echelon III

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0.01

48 μ g

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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