



National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Florida Department of Agriculture Metrology Laboratory

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200560-0

NVLAP Code: 20/A01

ANSI/NCSL Z540-1-1994; Part 1

Compliant

MECHANICAL

NVLAP Code: 20/M08

Mass - Metric

Range	Best Uncertainty ($\pm$) ^{note 1}	Remarks
25 kg	25 mg	Echelon II
20 kg	23 mg	Echelon II
10 kg	2.0 mg	Echelon II
5 kg	0.98 mg	Echelon II
3 kg	0.78 mg	Echelon II
2 kg	0.65 mg	Echelon II
1 kg	0.11 mg	Echelon II
500 g	0.12 mg	Echelon II
300 g	0.05 mg	Echelon II
200 g	0.06 mg	Echelon II
100 g	0.022 mg	Echelon II
50 g	0.015 mg	Echelon II
30 g	0.013 mg	Echelon II
20 g	0.010 mg	Echelon II
10 g	0.008 mg	Echelon II

2010-07-01 through 2011-06-30

Effective dates

Dally S. Bruce

For the National Institute of Standards and Technology



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Range	Best Uncertainty ($\pm$) ^{note 1}	Remarks
5 g	0.008 mg	Echelon II
3 g	0.0024 mg	Echelon II
2 g	0.0021 mg	Echelon II
1 g	0.0017 mg	Echelon II
500 mg	0.0012 mg	Echelon II
300 mg	0.0019 mg	Echelon II
200 mg	0.0010 mg	Echelon II
100 mg	0.0010 mg	Echelon II
50 mg	0.0010 mg	Echelon II
30 mg	0.00046 mg	Echelon II
20 mg	0.00082 mg	Echelon II
10 mg	0.00094 mg	Echelon II
5 mg	0.00050 mg	Echelon II
3 mg	0.00047 mg	Echelon II
2 mg	0.00077 mg	Echelon II
1 mg	0.00081 mg	Echelon II

Mass - Avoirdupois

1000 lb	1.4 g	Echelon II
500 lb	0.77 g	Echelon II
50 lb	23 mg	Echelon II
30 lb	26 mg	Echelon II
20 lb	2.5 mg	Echelon II
10 lb	1.3 mg	Echelon II
5 lb	0.77 mg	Echelon II
2 lb	0.28 mg	Echelon II
1 lb	0.086 mg	Echelon II
0.5 lb	0.081 mg	Echelon II
0.3 lb	0.018 mg	Echelon II
0.2 lb	0.015 mg	Echelon II
0.1 lb	0.017 mg	Echelon II
0.05 lb	0.012 mg	Echelon II

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<i>Range</i>	<i>Best Uncertainty ($\pm$)</i> ^{note 1}	<i>Remarks</i>
0.03 lb	0.010 mg	Echelon II
0.02 lb	0.010 mg	Echelon II
0.01 lb	0.010 mg	Echelon II
0.005 lb	0.0028 mg	Echelon II
0.002 lb	0.0028 mg	Echelon II
0.001 lb	0.0027 mg	Echelon II
4 oz	0.078 mg	Echelon II
2 oz	0.024 mg	Echelon II
1 oz	0.017 mg	Echelon II
1/2 oz	0.011 mg	Echelon II
1/4 oz	0.012 mg	Echelon II
1/8 oz	0.0084 mg	Echelon II
1/16 oz	0.0033 mg	Echelon II
1/32 oz	0.0026 mg	Echelon II
Mass – Metric		
25 kg	43 mg	Echelon III
20 kg	43 mg	Echelon III
10 kg	4.1 mg	Echelon III
5 kg	3.9 mg	Echelon III
2 kg	2.4 mg	Echelon III
1 kg	0.36 mg	Echelon III
500 g	0.36 mg	Echelon III
200 g	0.35 mg	Echelon III
100 g	0.28 mg	Echelon III
50 g	0.28 mg	Echelon III
30 g	0.28 mg	Echelon III
20 g	0.28 mg	Echelon III
10 g	0.28 mg	Echelon III
5 g	0.046 mg	Echelon III
3 g	0.046 mg	Echelon III
2 g	0.046 mg	Echelon III

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<i>Range</i>	<i>Best Uncertainty ($\pm$) ^{note 1}</i>	<i>Remarks</i>
1 g	0.046 mg	Echelon III
500 mg	0.0017 mg	Echelon III
300 mg	0.0018 mg	Echelon III
200 mg	0.0014 mg	Echelon III
100 mg	0.0014 mg	Echelon III
50 mg	0.0018 mg	Echelon III
30 mg	0.0021 mg	Echelon III
20 mg	0.0015 mg	Echelon III
10 mg	0.0015 mg	Echelon III
5 mg	0.0013 mg	Echelon III
3 mg	0.0020 mg	Echelon III
2 mg	0.0014 mg	Echelon III
1 mg	0.0014 mg	Echelon III
Mass - Avoirdupois		
5000 lb	58 g	Echelon III
4000 lb	58 g	Echelon III
3000 lb	58 g	Echelon III
2500 lb	14 g	Echelon III
1000 lb	2.6 g	Echelon III
500 lb	1.8 g	Echelon III
50 lb	42 mg	Echelon III
25 lb	36 mg	Echelon III
20 lb	36 mg	Echelon III
10 lb	3.8 mg	Echelon III
5 lb	2.5 mg	Echelon III
2 lb	0.44 mg	Echelon III
1 lb	0.35 mg	Echelon III
0.5 lb	0.35 mg	Echelon III
0.3 lb	0.34 mg	Echelon III
0.2 lb	0.28 mg	Echelon III
0.1 lb	0.28 mg	Echelon III
0.05 lb	0.28 mg	Echelon III

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Range	Best Uncertainty ($\pm$) ^{note 1}	Remarks
0.03 lb	0.28 mg	Echelon III
0.02 lb	0.28 mg	Echelon III
0.01 lb	0.050 mg	Echelon III
0.005 lb	0.046 mg	Echelon III
0.002 lb	0.046 mg	Echelon III
0.001 lb	0.046 mg	Echelon III
4 oz	0.35 mg	Echelon III
2 oz	0.28 mg	Echelon III
1 oz	0.28 mg	Echelon III
1/2 oz	0.048 mg	Echelon III
1/4 oz	0.048 mg	Echelon III
1/8 oz	0.047 mg	Echelon III
1/16 oz	0.046 mg	Echelon III
1/32 oz	0.046 mg	Echelon III

NVLAP Code: 20/M12

Volume

Range	Best Uncertainty ($\pm$) ^{note 1}	Remarks
5 gal	0.0006 gal	Gravimetric Method
1 gal	0.00014 gal	Gravimetric Method

Range	Best Uncertainty ($\pm$) ^{note 1}	Remarks
1500 gal	40 in ³	Transfer Method
1000 gal	24 in ³	Transfer Method
750 gal	22 in ³	Transfer Method
200 gal	4.7 in ³	Transfer Method
100 gal	2.3 in ³	Transfer Method
50 gal	2.1 in ³	Transfer Method
10 gal	0.50 in ³	Transfer Method
5 gal	0.45 in ³	Transfer Method
1 gal	0.40 in ³	Transfer Method
100 gal LPG	5.0 in ³	Transfer Method

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Range

25 gal LPG

Best Uncertainty ($\pm$) ^{note 1}

1.7 in³

Remarks

Transfer Method

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

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