



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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CALIBRATION LABORATORIES

NVLAP LAB CODE 105007-0

TIME AND FREQUENCY

NVLAP Code: 20/F01
Frequency

<i>Range in Hz</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
1000 to 10 000	0.028 %	Tuning forks at frequencies used in law enforcement.

MECHANICAL

NVLAP Code: 20/M08
Mass

<i>Range</i>	<i>Best Uncertainty (±) ^{note 1}</i>	<i>Remarks</i>
30 kg	22 mg	Echelon II
20 kg	17 mg	Echelon II
10 kg	12 mg	Echelon II
5 kg	2.0 mg	Echelon II
3 kg	1.9 mg	Echelon II
2 kg	1.9 mg	Echelon II
1 kg	0.22 mg	Echelon II
500 g	0.21 mg	Echelon II
300 g	0.21 mg	Echelon II
200 g	0.21 mg	Echelon II

2008-10-01 through 2009-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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100 g	0.036 mg	Echelon II
50 g	0.033 mg	Echelon II
30 g	0.033 mg	Echelon II
20 g	0.032 mg	Echelon II
10 g	0.0083 mg	Echelon II
5 g	0.0096 mg	Echelon II
3 g	0.0074 mg	Echelon II
2 g	0.0073 mg	Echelon II
1 g	0.007 mg	Echelon II
500 mg	0.0066 mg	Echelon II
300 mg	0.0066 mg	Echelon II
200 mg	0.0066 mg	Echelon II
100 mg	0.0077 mg	Echelon II
50 mg	0.0077 mg	Echelon II
30 mg	0.0077 mg	Echelon II
20 mg	0.0077 mg	Echelon II
10 mg	0.0082 mg	Echelon II
5 mg	0.0082 mg	Echelon II
3 mg	0.0082 mg	Echelon II
2 mg	0.0082 mg	Echelon II
1 mg	0.012 mg	Echelon II
25 kg	43 mg	Echelon III
20 kg	35 mg	Echelon III
10 kg	21 mg	Echelon III
5 kg	7.6 mg	Echelon III
2 kg	4.1 mg	Echelon III
1 kg	1.8 mg	Echelon III
500 g	1.2 mg	Echelon III
300 g	1.1 mg	Echelon III
200 g	0.20 mg	Echelon III
100 g	0.15 mg	Echelon III
50 g	0.14 mg	Echelon III
30 g	0.14 mg	Echelon III
20 g	0.13 mg	Echelon III

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10 g	0.13 mg	Echelon III
5 g	0.13 mg	Echelon III
3 g	0.13 mg	Echelon III
2 g	0.13 mg	Echelon III
1 g	0.13 mg	Echelon III
500 mg	0.037 mg	Echelon III
300 mg	0.037 mg	Echelon III
200 mg	0.037 mg	Echelon III
100 mg	0.037 mg	Echelon III
50 mg	0.037 mg	Echelon III
30 mg	0.037 mg	Echelon III
20 mg	0.037 mg	Echelon III
10 mg	0.038 mg	Echelon III
5 mg	0.038 mg	Echelon III
3 mg	0.038 mg	Echelon III
2 mg	0.038 mg	Echelon III
1 mg	0.038 mg	Echelon III
Mass - Avoirdupois		
6000 lb	0.057 lbs	Echelon III
5000 lb	0.054 lbs	Echelon III
4000 lb	0.053 lbs	Echelon III
3000 lb	0.089 lbs	Echelon III
2000 lb	0.088 lbs	Echelon III
1000 lb	0.008 lbs	Echelon III
500 lb	0.004 lbs	Echelon III
50 lb	100 mg	Echelon III
25 lb	35 mg	Echelon III
20 lb	44 mg	Echelon III
10 lb	17 mg	Echelon III
5 lb	7.0 mg	Echelon III
3 lb	4.3 mg	Echelon III
2 lb	2.1 mg	Echelon III
1 lb	0.89 mg	Echelon III
0.5 lb	0.59 mg	Echelon III

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0.3 lb	0.24 mg	Echelon III
0.2 lb	0.19 mg	Echelon III
0.1 lb	0.15 mg	Echelon III
0.05 lb	0.14 mg	Echelon III
0.03 lb	0.14 mg	Echelon III
0.02 lb	0.13 mg	Echelon III
0.01 lb	0.13 mg	Echelon III
0.005 lb	0.13 mg	Echelon III
0.003 lb	0.13 mg	Echelon III
0.002 lb	0.13 mg	Echelon III
0.001 lb	0.13 mg	Echelon III

NVLAP Code: 20/M12
Volume and Density

Range	Best Uncertainty (\pm)^{note 1}	Remarks
100 gallons	8.4 in ³	Volume Transfer
50 gallons	7.4 in ³	Volume Transfer
5 gallons	0.31 in ³	Volume Transfer
2 liter	0.46 ml	Volume Transfer

THERMODYNAMICS

NVLAP Code: 20/T03
Laboratory Thermometers

Range in °C	Best Uncertainty (\pm)^{note 1}	Remarks
-8 to 32	0.12 °C	Liquid in Glass
33 to 55	0.11 °C	Liquid in Glass
56 to 80	0.13 °C	Liquid in Glass
81 to 105	0.11 °C	Liquid in Glass

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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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