

National Institute  
of Standards and Technology



National Voluntary  
Laboratory Accreditation Program

ISO/IEC 17025:1999  
ISO 9002:1994

## Scope of Accreditation



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### CALIBRATION LABORATORIES

NVLAP LAB CODE 200649-0

#### NEW HAMPSHIRE METROLOGY LABORATORY

P.O. Box 2042  
Concord, NH 03302-2042  
Mr. Richrd P. Cote  
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### MECHANICAL

**NVLAP Code:** 20/M08

Mass - Metric

Range	Best Uncertainty ( $\pm$ ) in mg <sup>note 1</sup>	Remarks
20 kg	14.05	Echelon I
10 kg	10.62	Echelon I
5 kg	4.67	Echelon I
3 kg	2.89	Echelon I
2 kg	2.20	Echelon I
1 kg	0.061	Echelon I
500 g	0.044	Echelon I
300 g	0.030	Echelon I
200 g	0.020	Echelon I
100 g	0.019	Echelon I
50 g	0.010	Echelon I

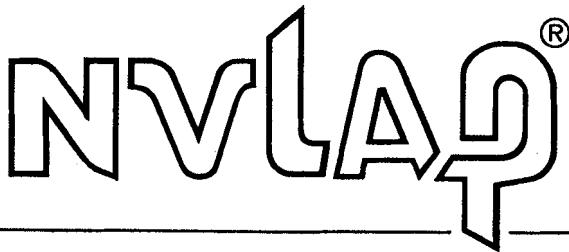
June 30, 2005

A handwritten signature in black ink, appearing to read "William R. Mihelcic".

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#### NEW HAMPSHIRE METROLOGY LABORATORY

30 g	0.0068	Echelon I
20 g	0.0048	Echelon I
10 g	0.0040	Echelon I
5 g	0.0026	Echelon I
3 g	0.0022	Echelon I
2 g	0.0019	Echelon I
1 g	0.0022	Echelon I
500 mg	0.0020	Echelon I
300 mg	0.0017	Echelon I
200 mg	0.0017	Echelon I
100 mg	0.0020	Echelon I
50 mg	0.0012	Echelon I
30 mg	0.00094	Echelon I
20 mg	0.00082	Echelon I
10 mg	0.00092	Echelon I
5 mg	0.00060	Echelon I
3 mg	0.00047	Echelon I

June 30, 2005

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### NEW HAMPSHIRE METROLOGY LABORATORY

2 mg	0.00043	Echelon I
1 mg	0.00048	Echelon I
20 kg	14.05	Echelon II
10 kg	10.62	Echelon II
5 kg	4.67	Echelon II
3 kg	2.90	Echelon II
2 kg	0.97	Echelon II
1 kg	0.081	Echelon II
500 g	0.072	Echelon II
300 g	0.065	Echelon II
200 g	0.061	Echelon II
100 g	0.013	Echelon II
50 g	0.014	Echelon II
30 g	0.012	Echelon II
20 g	0.011	Echelon II
10 g	0.0078	Echelon II

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### NEW HAMPSHIRE METROLOGY LABORATORY

5 g	0.0071	Echelon II
3 g	0.0069	Echelon II
2 g	0.0068	Echelon II
1 g	0.0051	Echelon II
500 mg	0.0050	Echelon II
300 mg	0.0050	Echelon II
200 mg	0.0050	Echelon II
100 mg	0.0033	Echelon II
50 mg	0.0029	Echelon II
30 mg	0.0029	Echelon II
20 mg	0.0028	Echelon II
10 mg	0.0014	Echelon II
5 mg	0.0012	Echelon II
3 mg	0.0011	Echelon II
2 mg	0.0011	Echelon II
1 mg	0.0011	Echelon II

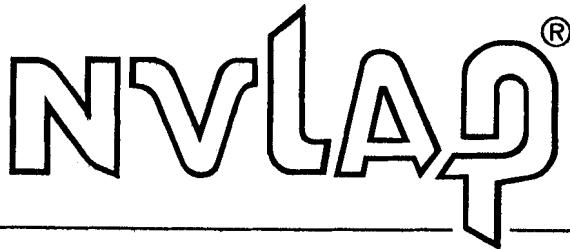
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### NEW HAMPSHIRE METROLOGY LABORATORY

20 kg	61.49	Echelon III
10 kg	11.30	Echelon III
5 kg	6.50	Echelon III
3 kg	4.85	Echelon III
2 kg	3.26	Echelon III
1 kg	1.90	Echelon III
500 g	1.16	Echelon III
300 g	0.67	Echelon III
200 g	1.16	Echelon III
100 g	0.048	Echelon III
50 g	0.044	Echelon III
30 g	0.043	Echelon III
20 g	0.042	Echelon III
10 g	0.042	Echelon III
5 g	0.0069	Echelon III
3 g	0.0066	Echelon III
2 g	0.0066	Echelon III

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### NEW HAMPSHIRE METROLOGY LABORATORY

1 g	0.0067	Echelon III
500 mg	0.0062	Echelon III
300 mg	0.0061	Echelon III
200 mg	0.0061	Echelon III
100 mg	0.0061	Echelon III
50 mg	0.0061	Echelon III
30 mg	0.0061	Echelon III
20 mg	0.0061	Echelon III
10 mg	0.0061	Echelon III
5 mg	0.0061	Echelon III
3 mg	0.0060	Echelon III
2 mg	0.0060	Echelon III
1 mg	0.0061	Echelon III

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### NEW HAMPSHIRE METROLOGY LABORATORY

**NVLAP Code:** 20/M08

Mass - Avoirdupois

<i>Range in lbs</i>	<i>Best Uncertainty (<math>\pm</math>) in mg<sup>note 1</sup></i>	<i>Remarks</i>
50	17.82	Echelon I
30	13.90	Echelon I
20	7.98	Echelon I
10	3.52	Echelon I
5	1.87	Echelon I
3	1.24	Echelon I
2	0.086	Echelon I
1	0.087	Echelon I
0.5	0.047	Echelon I
0.3	0.031	Echelon I
0.2	0.023	Echelon I
0.1	0.021	Echelon I
0.05	0.011	Echelon I
0.03	0.0068	Echelon I
0.02	0.0049	Echelon I

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0.01	0.0040	Echelon I
0.005	0.0027	Echelon I
0.003	0.0023	Echelon I
0.002	0.0022	Echelon I
0.001	0.0024	Echelon I
50	19.61	Echelon II
30	16.12	Echelon II
20	9.0	Echelon II
10	3.77	Echelon II
5	1.95	Echelon II
3	1.36	Echelon II
2	0.85	Echelon II
1	0.11	Echelon II
0.5	0.074	Echelon II
0.3	0.065	Echelon II
0.2	0.025	Echelon II

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0.1	0.023	Echelon II
0.05	0.014	Echelon II
0.03	0.012	Echelon II
0.02	0.011	Echelon II
0.01	0.0077	Echelon II
0.005	0.0071	Echelon II
0.003	0.0069	Echelon II
0.002	0.0069	Echelon II
0.001	0.0070	Echelon II
50	65.99	Echelon III
25	61.81	Echelon III
20	59.65	Echelon III
10	4.56	Echelon III
5	2.67	Echelon III
3	2.27	Echelon III
2	2.08	Echelon III

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1	1.16	Echelon III
0.5	1.16	Echelon III
0.3	1.16	Echelon III
0.2	0.048	Echelon III
0.1	0.047	Echelon III
0.05	0.043	Echelon III
0.03	0.043	Echelon III
0.02	0.042	Echelon III
0.01	0.0072	Echelon III
0.005	0.0066	Echelon III
0.003	0.0064	Echelon III
0.002	0.0064	Echelon III
0.001	0.0065	Echelon III

1. Represents an expanded uncertainty using a coverage factor, k=2.

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