



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Rice Lake Weighing Systems

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CALIBRATION LABORATORIES

NVLAP LAB CODE 105001-0

Scope Revised: 2009-10-01

NVLAP Code: 20/A01

ANSI/NCSL Z540-1-1994; Part 1

Compliant

MECHANICAL

NVLAP Code: 20/M08

Mass - Metric

Range	Best Uncertainty (\pm) in mg ^{note 1}	Remarks
30 kg	10	Echelon I
20 kg	4.3	Echelon I
10 kg	0.72	Echelon I
5 kg	0.36	Echelon I
3 kg	0.28	Echelon I
2 kg	0.08	Echelon I
1 kg	0.045	Echelon I
500 g	0.029	Echelon I
300 g	0.023	Echelon I
200 g	0.020	Echelon I
100 g	0.023	Echelon I
50 g	0.014	Echelon I
30 g	0.0087	Echelon I
20 g	0.0069	Echelon I
10 g	0.0058	Echelon I

2009-04-01 through 2010-03-31

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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5 g	0.0034	Echelon I
3 g	0.0022	Echelon I
2 g	0.0016	Echelon I
1 g	0.0013	Echelon I
500 mg	0.0012	Echelon I
300 mg	0.0011	Echelon I
200 mg	0.0010	Echelon I
100 mg	0.0012	Echelon I
50 mg	0.00078	Echelon I
30 mg	0.00062	Echelon I
20 mg	0.00056	Echelon I
10 mg	0.00062	Echelon I
5 mg	0.00044	Echelon I
3 mg	0.00038	Echelon I
2 mg	0.00036	Echelon I
1 mg	0.00038	Echelon I

Mass-Avoirdupois

50 lb	12	Echelon I
30 lb	6.8	Echelon I
25 lb	5.0	Echelon I
20 lb	0.58	Echelon I
10 lb	0.27	Echelon I
5 lb	0.17	Echelon I
3 lb	0.19	Echelon I
2 lb	0.087	Echelon I
1 lb	0.053	Echelon I
0.5 lb	0.029	Echelon I
0.3 lb	0.022	Echelon I
0.2 lb	0.017	Echelon I
0.1 lb	0.018	Echelon I
0.05 lb	0.0093	Echelon I
0.03 lb	0.0061	Echelon I

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0.02 lb	0.0044	Echelon I
0.01 lb	0.0038	Echelon I
0.005 lb	0.0020	Echelon I
0.003 lb	0.0013	Echelon I
0.002 lb	0.0010	Echelon I
0.001 lb	0.00082	Echelon I
4 oz	0.020	Echelon I
2 oz	0.014	Echelon I
1 oz	0.018	Echelon I
½ oz	0.0092	Echelon I
¼ oz	0.0049	Echelon I
1/8 oz	0.0032	Echelon I
1/16 oz	0.0030	Echelon I
1/32 oz	0.0016	Echelon I

Mass-Metric

50 kg	53	Echelon II
30 kg	10	Echelon II
20 kg	4.3	Echelon II
10 kg	0.72	Echelon II
5 kg	0.36	Echelon II
3 kg	0.28	Echelon II
2 kg	0.08	Echelon II
1 kg	0.045	Echelon II
500 g	0.029	Echelon II
300 g	0.023	Echelon II
200 g	0.020	Echelon II
100 g	0.023	Echelon II
50 g	0.013	Echelon II
30 g	0.0087	Echelon II
20 g	0.0069	Echelon II
10 g	0.0058	Echelon II
5 g	0.0034	Echelon II

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3 g	0.0022	Echelon II
2 g	0.0016	Echelon II
1 g	0.0013	Echelon II
500 mg	0.0012	Echelon II
300 mg	0.0011	Echelon II
200 mg	0.0010	Echelon II
100 mg	0.0012	Echelon II
50 mg	0.00078	Echelon II
30 mg	0.00062	Echelon II
20 mg	0.00056	Echelon II
10 mg	0.00062	Echelon II
5 mg	0.00044	Echelon II
3 mg	0.00038	Echelon II
2 mg	0.00036	Echelon II
1 mg	0.00038	Echelon II

Mass-Avoirdupois

50 lb	12	Echelon II
30 lb	6.8	Echelon II
25 lb	5.0	Echelon II
20 lb	0.58	Echelon II
10 lb	0.27	Echelon II
5 lb	0.17	Echelon II
3 lb	0.19	Echelon II
2 lb	0.087	Echelon II
1 lb	0.053	Echelon II
0.5 lb	0.029	Echelon II
0.3 lb	0.022	Echelon II
0.2 lb	0.017	Echelon II
0.1 lb	0.018	Echelon II
0.05 lb	0.0093	Echelon II
0.03 lb	0.0061	Echelon II
0.02 lb	0.0044	Echelon II

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0.01 lb	0.0038	Echelon II
0.005 lb	0.0020	Echelon II
0.003 lb	0.0013	Echelon II
0.002 lb	0.0010	Echelon II
0.001 lb	0.00082	Echelon II
4 oz	0.020	Echelon II
2 oz	0.014	Echelon II
1 oz	0.018	Echelon II
½ oz	0.0092	Echelon II
¼ oz	0.0049	Echelon II
1/8 oz	0.0032	Echelon II
1/16 oz	0.0030	Echelon II
1/32 oz	0.0016	Echelon II

Mass-Metric

Range	Best Uncertainty (\pm) ^{note 1 1}	Remarks
1000 kg	18 g	Echelon III
500 kg	9.3 g	Echelon III
250 kg	2.6 g	Echelon III
200 kg	1.6 g	Echelon III
100 kg	0.98 g	Echelon III
50 kg	71 mg	Echelon III
30 kg	18 mg	Echelon III
20 kg	20 mg	Echelon III
10 kg	1.8 mg	Echelon III
5 kg	0.98 mg	Echelon III
3 kg	0.80 mg	Echelon III
2 kg	0.69 mg	Echelon III
1 kg	0.14 mg	Echelon III
500 g	0.080 mg	Echelon III
300 g	0.066 mg	Echelon III
200 g	0.060 mg	Echelon III
100 g	0.042 mg	Echelon III

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50 g	0.020 mg	Echelon III
30 g	0.016 mg	Echelon III
20 g	0.012 mg	Echelon III
10 g	0.011 mg	Echelon III
5 g	0.0056 mg	Echelon III
3 g	0.0036 mg	Echelon III
2 g	0.0027 mg	Echelon III
1 g	0.0025 mg	Echelon III
500 mg	0.0016 mg	Echelon III
300 mg	0.0016 mg	Echelon III
200 mg	0.0014 mg	Echelon III
100 mg	0.0015 mg	Echelon III
50 mg	0.0010 mg	Echelon III
30 mg	0.00081 mg	Echelon III
20 mg	0.00079 mg	Echelon III
10 mg	0.00085 mg	Echelon III
5 mg	0.00066 mg	Echelon III
3 mg	0.00079 mg	Echelon III
2 mg	0.00062 mg	Echelon III
1 mg	0.00061 mg	Echelon III

Mass-Avoirdupois

3000 lb	22 g	Echelon III
2500 lb	20 g	Echelon III
2000 lb	15 g	Echelon III
1000 lb	5.3 g	Echelon III
500 lb	2.3 g	Echelon III
250 lb	1.8 g	Echelon III
200 lb	1.1 g	Echelon III
100 lb	68 mg	Echelon III
50 lb	11 mg	Echelon III
30 lb	7.6 mg	Echelon III
25 lb	6.1 mg	Echelon III

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20 lb	2.7 mg	Echelon III
10 lb	1.7 mg	Echelon III
5 lb	0.84 mg	Echelon III
4 lb	0.70 mg	Echelon III
3 lb	0.67 mg	Echelon III
2 lb	0.14 mg	Echelon III
1 lb	0.097 mg	Echelon III
0.5 lb	0.048 mg	Echelon III
0.3 lb	0.079 mg	Echelon III
0.2 lb	0.043 mg	Echelon III
0.1 lb	0.017 mg	Echelon III
0.05 lb	0.0094 mg	Echelon III
0.03 lb	0.0072 mg	Echelon III
0.02 lb	0.0082 mg	Echelon III
0.01 lb	0.0032 mg	Echelon III
0.005 lb	0.0016 mg	Echelon III
0.003 lb	0.00097 mg	Echelon III
0.002 lb	0.0016 mg	Echelon III
0.001 lb	0.0014 mg	Echelon III
4 oz	0.042 mg	Echelon III
2 oz	0.016 mg	Echelon III
1 oz	0.020 mg	Echelon III
0.5 oz	0.014 mg	Echelon III
0.25 oz	0.0090 mg	Echelon III
0.125 oz	0.0055 mg	Echelon III
0.0625 oz	0.0053 mg	Echelon III
0.03125 oz	0.0050 mg	Echelon III

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

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