



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
ANSI/NCSL Z540-1-1994

RICE LAKE WEIGHING SYSTEMS
230 West Coleman Street
Rice Lake, WI 54868
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CALIBRATION

Valid To: May 31, 2024

Certificate Number: 4363.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1,3}:

I. Mechanical

Parameter/Equipment	Range	CMC ² (±)	Comments
Mass – Metric	1000 kg	13 g	ASTM Class 00 through Class 7, OIML E1 through M3 NIST Class F
	500 kg	6.1 g	
	250 kg	2.7 g	
	200 kg	2.1 g	
	100 kg	1.2 g	
	50 kg	11 mg	
	30 kg	7.4 mg	
	20 kg	4.9 mg	
	10 kg	1.1 mg	
	5 kg	0.68 mg	
	3 kg	0.51 mg	
	2 kg	0.26 mg	
	1 kg	0.043 mg	
	500 g	0.025 mg	
	300 g	0.018 mg	
	200 g	0.015 mg	
	100 g	0.012 mg	
	50 g	0.0072 mg	
	30 g	0.0058 mg	
	20 g	0.0050 mg	
	10 g	0.0057 mg	
5 g	0.0029 mg		
3 g	0.0018 mg		
2 g	0.0013 mg		
1 g	0.000 84 mg		
500 mg	0.000 49 mg		
300 mg	0.000 39 mg		

Parameter/Equipment	Range	CMC ² (±)	Comments
Mass – Metric (cont)	200 mg 100 mg 50 mg 30 mg 20 mg 10 mg 5 mg 3 mg 2 mg 1 mg 0.5 mg	0.000 33 mg 0.000 37 mg 0.000 30 mg 0.000 30 mg 0.000 28 mg 0.000 35 mg 0.000 38 mg 0.000 34 mg 0.000 32 mg 0.000 36 mg 0.000 36 mg	ASTM Class 00 through Class 7, OIML E1 through M3 NIST Class F
Mass – Avoirdupois	3000 lb 2500 lb 2000 lb 1000 lb 500 lb 250 lb 200 lb 100 lb 50 lb 30 lb 25 lb 20 lb 10 lb 5 lb 3 lb 2 lb 1 lb 0.5 lb 0.3 lb 0.2 lb 0.1 lb 0.05 lb 0.03 lb 0.02 lb 0.01 lb 0.005 lb 0.003 lb 0.002 lb 0.001 lb 4 oz 2 oz 1 oz 0.5 oz 0.25 oz 0.125 oz 0.0625 oz 0.031 25 oz	0.042 lb (19 g) 0.022 lb (11 g) 0.022 lb (11 g) 0.013 lb (5.7 g) 0.005 lb (2.3 g) 0.0029 lb (1.3 g) 0.0024 lb (1.1 g) 0.46 mlb (0.21 g) 26 µlb (12 mg) 15 µlb (7.0 mg) 5.3 µlb (2.4 mg) 4.2 µlb (1.9 mg) 2.1 µlb (0.95 mg) 1.1 µlb (0.48 mg) 0.75 µlb (0.34 mg) 0.24 µlb (0.11 mg) 0.11 µlb (0.051 mg) 0.062 µlb (0.028 mg) 0.046 µlb (0.021 mg) 0.035 µlb (0.016 mg) 0.040 µlb (0.018 mg) 0.021 µlb (0.0094 mg) 0.014 µlb (0.0063 mg) 0.011 µlb (0.0049 mg) 0.01 µlb (0.0046 mg) 0.0051 µlb (0.0023 mg) 0.0033 µlb (0.0015 mg) 0.0024 µlb (0.0011 mg) 0.0017 µlb (0.000 77 mg) 0.81 µoz (0.023 mg) 0.63 µoz (0.018 mg) 0.53 µoz (0.015 mg) 0.35 µoz (0.01 mg) 0.19 µoz (0.0053 mg) 0.11 µoz (0.0032 mg) 0.11 µoz (0.0030 mg) 0.067 µoz (0.0019 mg)	ASTM Class 1 through Class 7

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ This scope meets A2LA's *P112 Flexible Scope Policy*.



Accredited Laboratory

A2LA has accredited

RICE LAKE WEIGHING SYSTEMS

Rice Lake, WI

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCCL Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 24th day of January 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4363.01
Valid to May 31, 2024
Revised April 19, 2024

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.