



**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005
& ANSI/NCSL Z540-1-1994**

AAA Weigh, Inc.

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CALIBRATION

Valid to: December 3, 2013

Certificate Number: AC-1422

I. Mechanical

PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Mass - Metric	Up to 100 g (100 to 2 000) g (2 to 5) kg	0.35 mg 8 mg 8 mg	Class S Weights	QP-008 Double Substitution NIST Handbook 105-1
	(5 to 10) kg (10 to 30) kg	88 mg 210 mg	Class 4 Weights	
	(30 to 50) kg (50 to 200) kg (200 to 500) kg (500 to 2 000) kg	450 mg 9.3 g 26 g 154 g	Class F weights	
Mass - Avoirdupois	Up to 10 lb	8 mg	Class S Weights	QP-008 Double Substitution NIST Handbook 105-1
	(10 to 20) lb (20 to 50) lb	88 mg 210 mg	Class 4 Weights	
	(50 to 100) lb (100 to 500) lb (500 to 1 000) lb (1 000 to 5 000) lb	450 mg 9.3 g 26 g 154 g	Class F weights	
Balances	Up to 120 g (0.1 mg) Up to 2 000 g (0.001 g) Up to 2 000 g (0.005 g)	0.35 mg 8 mg 8 mg	Class S weights	Manufacturer's Procedures NIST Handbook 44



PARAMETER / EQUIPMENT	RANGE	CALIBRATION AND MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(±)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Scales	Up to 5 kg (0.005 g)	8 mg	Class S Weights	NIST Handbook 44
	(5 to 10) kg (0.05 g) (10 to 30) kg (0.1 g)	88 mg 210 mg	Class 4 Weights	
	(30 to 50) mg (0.1 g)	450 mg	Class F Weights	
Scales	Up to 10 lb (0.00002 lb)	0.00018 lb	Class S Weights	NIST Handbook 44
	(10 to 20) lb (0.0002 lb) (20 to 50) lb (0.0002 lb)	0.0019 lb 0.0005 lb	Class 4 Weights	
	(50 to 100) lb (0.0002 lb)	0.001 lb	Class F Weights	
	(100 to 500) lb (0.01 lb)	0.019 lb		
	(500 to 1 000) lb (0.02 lb)	0.056 lb		
	(1 000 to 5 000) lb (0.1 lb)	0.34 lb		
	(5 000 to 10 000) lb (0.2 lb)	0.67 lb		
	(10 000 to 20 000) lb (1 lb)	1.1 lb		

Notes:

1. Calibration and Measurement Capabilities (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$
2. The uncertainty associated when calibrating a balance/scale is dependent on local conditions, such as the resolution of the unit being calibrated and the environment in which the balance/scale is operating. The uncertainty listed in the scope here represents the best uncertainty for a balance/scale which the organization typically calibrates in its lab. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope.
3. This scope is part of and must be included with the Certificate of Accreditation No. AC-1422

Karl Greenway

Vice President

