CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

AAA Weigh, Inc.
1543 Truman Street
San Fernando, CA 91340

Fulfills the requirements of

ISO/IEC 17025:2017

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 03 December 2023
Certificate Number: AC-1422

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. 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).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017 AND ANSI/NCSL Z540-1-1994 (R2002)

AAA Weigh, Inc.
1543 Truman Street
San Fernando, CA 91340
Mark Stumpf
818-361-6622

CALIBRATION

Valid to: **December 3, 2023** Certificate Number: **AC-1422**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Mass Standards	(0 to 250) g	0.019 mg	OIML E1 & ASTM 1 Weights
	(0 to 500) g	0.59 mg	OIML E1 & ASTM 1 Weights
	(0 to 1 000) g	1.2 mg	ASTM 1 Weights
	(0 to 5 000) g	2.34 mg	ASTM 1 Weights
	(0 to 10 000) g (0 to 30 000) g	33 mg 33 mg	ASTM Class 1 & 4 Weights ASTM Class 1 & 4 Weights
	(0 to 50 000) g	62 mg	ASTM Class 1 & 4 Weights
	(0 to 227 000) g	6.4 g	NIST Class F Weights
	(0 to 454 000) g	6.3 g	NIST Class F Weights
	(0 to 907 000) g	15 g	NIST Class F Weights
	(0 to 0.55) lb	0.04 µlb	OIML E1 & ASTM 1 Weights
	(0 to 1.1) lb	1.3 µlb	OIML E1 & ASTM 1 Weights
	(0 to 2.2) lb	2.65 µlb	ASTM Class 1 Weights
	(0 to 11) lb	5.16 µlb	OIML E1 & ASTM Class 1 Weights

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Mass Standards	(0 to 66) lb	73 µlb	ASTM Class 1 & 4 Weights
	(0 to 110) lb	136.7 µlb	ASTM Class 1 & 4 Weights
	(0 to 500) lb	0.014 1 lb	NIST Class F Weights
	(0 to 1 000) lb	0.013 9 lb	NIST Class F Weights
	(0 to 2 000) lb	0.033 1 lb	NIST F Weights
Weighing Systems [1, 2] (0.000 01 g resolution)	(0 to 250) g	0.019 mg	OIML E1 & ASTM 1 Weights
(0.000 1 g resolution)	(0 to 250) g (0 to 610) g	0.12 mg 0.18 mg	OIML E1 & ASTM 1 Weights OIML E1 & ASTM Class 1
(0.000 2 g resolution)	(0 to 610) g (0 to 1 000) g (0 to 5 000) g	0.27 mg 0.36 mg 3.4 mg	OIML E1 & ASTM Class1 Weights
(0.000 5 g resolution)	(0 to 10 000) g	3.6 mg	ASTM Class 1 ASTM Class 1 & 4
(0.001 g resolution)	(0 to 2 000) g (0 to 10 000) g	2.4 mg 3.7 mg	ASTM Class 1 & 4 Weights ASTM Class 1 Weights
(0.002 g resolution)	(0 to 10 000) g (0 to 25 000) g	4.2 mg 82 mg	ASTM Class 1 & 4 Weights
(0.005 g resolution)	(0 to 10 000) g (0 to 25 000) g	6.8 mg 82 mg	ASTM Class 1 & 4 Weights
(0.01 g resolution)	(0 to 10 000) g (0 to 25 000) g	13 mg 83 mg	ASTM Class 1 & 4 Weights
(0.02 g resolution)	(0 to 10 000) g (0 to 25 000) g	24 mg 85 mg	ASTM Class 1 & 4 Weights
(0.05 g resolution)	(0 to 10 000) g (0 to 25 000) g	31 mg 87 mg	ASTM Class 1 & 4 Weights
(0.1 g resolution)	(0 to 10 000) g (0 to 25 000) g (0 to 50 000) g	61 mg 110 mg 190 mg	ASTM Class 1 & 4 Weights
(0.2 g resolution)	(0 to 10 000) g (0 to 25 000) g (0 to 50 000) g	120 mg 150 mg 220 mg	ASTM Class 1 & 4 Weights

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Weighing Systems [1, 2] (0.5 g resolution)	(0 to 10 000) g (0 to 25 000) g (0 to 50 000) g	300 mg 310 mg 330 mg	ASTM Class 1 & 4 Weights
(1 g resolution)	(0 to 10 000) g (0 to 25 000) g (0 to 50 000) g	600 mg 610 mg 630 mg	ASTM Class 1 & 4 Weights
(2 g resolution)	(0 to 10 000) g (0 to 25 000) g (0 to 50 000) g	1 200 mg 1 200 mg 1 300 mg	ASTM Class 1 & 4 Weights
(5 g resolution)	(0 to 10 000) g (0 to 25 000) g (0 to 50 000) g (0 to 227 000) g (0 to 454 000) g	3 g 3 g 3 g 6 .8 g 15 g	ASTM Class 1 & 4 Weights NIST F Weights
(0.000 000 022 lb resolution	(0 to 0.55) lb	0. 042 µlb	OIML E1 & ASTM Class 1 Weights
(0.000 001 lb resolution	(0 to 1) lb	1.8 µlb	OIML E1 & ASTM Class 1 Weights
(0.000 002 lb resolution)	(0 to 2.2) lb	4.63 µlb	ASTM Class 1 & 4 Weights
(0.000 005 lb resolution	(0 to 4.4) lb	7.7 µlb	ASTM Class 1 & 4 Weights
(0.000 01 lb resolution)	(0 to 5) lb (0 to 5) lb	12.8 µlb 90.4 µlb	ASTM Class 1 Weights NIST Class F
(0.000 02 lb resolution)	(0 to 5) lb (0 to 5) lb	24.3 µlb 92.3 lb	ASTM Class 1 Weights NIST Class F
(0.000 05 lb resolution)	(0 to 5) lb (0 to 5) lb	59.5 lb 108 µlb	ASTM Class 1 Weights NIST Class F
(0.000 1 lb resolution)	(0 to 10) lb (0 to 10) lb	64 µlb 213.8 µlb	ASTM Class 1 Weights NIST Class F
(0.000 2 lb resolution)	(0 to 10) lb (0 to 10) lb	123.5 µlb 242.5 µlb	ASTM Class 1 Weights NIST Class F
(0.000 5 lb resolution)	(0 to 50) lb (0 to 50) lb	309 µlb 309 µlb	ASTM Class 4 Weights NIST F Weights
(0.001 lb resolution)	(0 to 75) lb (0 to 75) lb (0 to 200) lb	617.3 µlb 617.3 µlb 661 µlb	ASTM Class 1 & 4 Weights NIST Class F Weights NIST Class F Weights
(0.002 lb resolution)	(0 to 125) lb	0.001 2 lb	NIST Class F Weights

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Weighing Systems [1, 2] (0.005 lb resolution)	(0 to 325) lb	0.003 1 lb	NIST Class F Weights
(0.01 lb resolution)	(0 to 350) lb (0 to 1 000) lb	0.006 lb 0.006 lb	NIST Class F Weights
(0.02 lb resolution)	(0 to 500) lb	0.012 lb	NIST Class F Weights
(0.05 lb resolution	(0 to 3 000) lb	0.031 lb	NIST Class F Weights
(0.1 lb resolution)	(0 to 4 350) lb	0.062 lb	NIST Class F Weights
(0.2 lb resolution)	(0 to 5 950) lb	0.12 lb	NIST Class F Weights
(0.5 lb resolution)	(0 to 9 000) lb	0.33 lb	NIST Class F Weights
(1 lb resolution)	(0 to 13 000) lb	0.62 lb	NIST Class F Weights
(2 lb resolution)	(0 to 20 050) lb	1.2 lb	NIST Class F Weights
(5 lb resolution)	(0 to 20 050) lb	3.1 lb	NIST Class F Weights
(10 lb resolution)	(0 to 20 050) lb	6.2 lb	NIST Class F Weights
(20 lb resolution)	(0 to 20 050) lb	12 lb	NIST Class F Weights
(50 lb resolution)	(0 to 20 050) lb	31 lb	NIST Class F Weights

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
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 formatted as part of a single document including Certificate of Accreditation No. AC-1422.

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