



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board
11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

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

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

and national standard

ANSI/NCSL Z540-1-1994 (R2002)

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AC-1422
Certificate Number


ANAB Approval

Certificate Valid Through: 12/03/2021
Version No. 009 Issued: 11/27/2019



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, 2021**

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	0.018 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	30 mg 31.3 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	6.5 g	NIST Class F Weights
	(0 to 454 000) g	8.5 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 u lb	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	69 μ lb	ASTM Class 1 & 4 Weights
	(0 to 110) lb	136.7 μ lb	ASTM Class 1 & 4 Weights
	(0 to 500) lb	0.014 3 lb	NIST Class F Weights
	(0 to 1 000) lb	0.019 lb	NIST Class 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	0.12 mg	OIML E1 & ASTM 1 Weights OIML E1 & ASTM Class 1
	(0 to 610) g	0.18 mg	
(0.000 2 g resolution)	(0 to 610) g	0.27 mg	OIML E1 & ASTM Class 1 Weights
	(0 to 1 000) g	0.36 mg	
	(0 to 5 000) g	3.4 mg	
(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	2.4 mg	ASTM Class 1 & 4 Weights ASTM Class 1 Weights
	(0 to 10 000) g	3.7 mg	
(0.002 g resolution)	(0 to 10 000) g	4.2 mg	ASTM Class 1 & 4 Weights
	(0 to 25 000) g	82 mg	
(0.005 g resolution)	(0 to 10 000) g	6.8 mg	ASTM Class 1 & 4 Weights
	(0 to 25 000) g	82 mg	
(0.01 g resolution)	(0 to 10 000) g	13 mg	ASTM Class 1 & 4 Weights
	(0 to 25 000) g	83 mg	
(0.02 g resolution)	(0 to 10 000) g	24 mg	ASTM Class 1 & 4 Weights
	(0 to 25 000) g	85 mg	
(0.05 g resolution)	(0 to 10 000) g	31 mg	ASTM Class 1 & 4 Weights
	(0 to 25 000) g	87 mg	
(0.1 g resolution)	(0 to 10 000) g	61 mg	ASTM Class 1 & 4 Weights
	(0 to 25 000) g	110 mg	
	(0 to 50 000) g	190 mg	
(0.2 g resolution)	(0 to 10 000) g	120 mg	ASTM Class 1 & 4 Weights
	(0 to 25 000) g	150 mg	
	(0 to 50 000) g	220 mg	

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 μlb	ASTM Class 1 Weights NIST Class F
(0.000 05 lb resolution)	(0 to 5) lb (0 to 5) lb	59.5 μlb 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.


 Vice President