



**STATE OF CONNECTICUT**  
**DEPARTMENT OF CONSUMER PROTECTION**

Report of Test for: 1 - Set of Avoirdupois Weights 10 pound to 1 pound and 4 ounce to 1/4 ounce (17 Weights)

Submitted by:  
**ADVANCED SCALE, INC.**  
**13 DELTA DRIVE UNIT 6**  
**LONDONDERRY, NH 03053**

TESTED BY: DEPT. OF CONSUMER PROTECTION, DIVISION OF FOOD AND STANDARDS - METROLOGY LABORATORY  
 9 WINDSOR AVENUE, WINDSOR, CT 06095

Manufacturer: UNKNOWN  
 S/N: VT05-380

CT. TEST NO. 2019 - 65

The weights described above have been compared with the Standards of the State of Connecticut (Working Standards - Avoirdupois Set F), traceable to the International System of Units (SI), through the Report of Calibration Maine Test No. 7124ME and were found to be appropriate for their intended use and to be accurate / (adjusted) to within CLASS F TOLERANCE as indicated on the attached tolerance table.

The following mass values reflect the as found and as left condition of weights as they were delivered for testing.

DENOMINATION	CLASS F TOLERANCE (± MILLIGRAM)	AS FOUND CONVENTIONAL MASS CORRECTION (MILLIGRAM)	AS LEFT CONVENTIONAL MASS CORRECTION (MILLIGRAM)	UNCERTAINTY (± MILLIGRAM)	K COVERAGE FACTOR
10 lb	450	75	SAME	29	2.03
10 lb *	450	38	SAME	29	2.03
5 lb	230	69	SAME	15	2.02
1 lb	70	-12.3	SAME	4.4	2.02
1 lb *	70	23.5	SAME	4.4	2.02
1 lb **	70	8.0	SAME	4.4	2.02
1 lb ***	70	-12.9	SAME	4.4	2.02
1 lb ****	70	-0.9	SAME	4.4	2.02
4 oz	23	3.8	SAME	1.5	2.03
4 oz *	23	3.5	SAME	1.5	2.03
4 oz **	23	9.6	SAME	1.5	2.03
1 oz	5.4	2.98	SAME	0.35	2.02
1 oz *	5.4	1.58	SAME	0.35	2.02
1 oz **	5.4	1.34	SAME	0.35	2.02
1/2 oz	2.8	0.69	SAME	0.20	2.02
1/2 oz *	2.8	1.20	SAME	0.20	2.02
1/4 oz	1.7	0.88	SAME	0.11	2.03

Test Procedure: SOP #8, MODIFIED SUBSTITUTION

Balances used: PM5003, AT1005, AT106 (METTLER TOLEDO balances)

Temperature: 21.6 °C to 21.8 °C, Humidity: 44 % to 46 %, Pressure: 762.9 mmHg to 763.7 mmHg

DATE RECEIVED: 03/22/2019

DATE OF TEST: 04/01/2019

Signing Authority

*Ana Maria Feliciano*

METROLOGIST: ANA MARIA FELICIANO  
 FOOD AND STANDARDS DIVISION

Notes:

- (1) This report relates only to the items listed in this report at the time of test.
- (2) The uncertainties are calculated according to the Guide to the Expression of Uncertainty in Measurement, where the expanded uncertainty is k times the root sum square of the Type A and Type B uncertainties. The coverage factor (k) defines a level of confidence of approximately 95 %.
- (3) The effect of air buoyancy has been evaluated and determined to be insignificant.
- (4) This report shall not be reproduced except in full, without written approval of the laboratory.
- (5) THE REPORT OF TEST IS INVALID WITHOUT THE OFFICIAL STATE OF CONNECTICUT WEIGHTS AND MEASURES SEAL AFFIXED.