



STATE OF CONNECTICUT

DEPARTMENT OF CONSUMER PROTECTION

Report of Test for: 1 - Set of Avoirdupois Weights 10 pound to 1 pound and 8 ounce to 1/32 ounce (16 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: RICE LAKE
 S/N: VT05-480

CT. TEST NO. 2019 - 64

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	AS FOUND	AS LEFT	UNCERTAINTY (± MILLIGRAM)	K COVERAGE FACTOR
	TOLERANCE (± MILLIGRAM)	CONVENTIONAL MASS CORRECTION (MILLIGRAM)	CONVENTIONAL MASS CORRECTION (MILLIGRAM)		
10 lb	450	67	SAME	29	2.03
10 lb *	450	104	SAME	29	2.03
5 lb	230	73	SAME	15	2.02
2 lb	91	15.3	SAME	5.7	2.05
2 lb *	91	16.9	SAME	5.7	2.05
1 lb	70	20.8	SAME	4.4	2.02
8 oz	45	13.0	SAME	2.8	2.02
4 oz	23	8.6	SAME	1.5	2.03
2 oz	11	-0.42	SAME	0.70	2.02
1 oz	5.4	2.02	SAME	0.35	2.02
1/2 oz	2.8	0.84	SAME	0.20	2.02
1/4 oz	1.7	0.80	SAME	0.11	2.03
1/8 oz	1.3	0.626	SAME	0.083	2.03
1/16 oz	1.1	0.360	SAME	0.082	2.03
1/32 oz	0.87	0.327	SAME	0.070	2.03
1/32 oz *	0.87	0.375	SAME	0.070	2.03

Test Procedure: SOP #8, MODIFIED SUBSTITUTION

Balances used: PM5003, AT1005, AT106, UMT5 (METTLER TOLEDO balances)

Temperature: 21.6 °C to 21.8 °C, Humidity: 44 % to 46 %, Pressure: 762.6 mmHg to 763.6 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.