



JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8394ME

Weight Kit: 10 lb to 0.01 lb

SN: 28619

Date of Report: January 6, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	155	450	27	---
10 lb *	114	450	27	---
5 lb	34	230	15	---
2 lb	19.9	91	7.3	---
2 lb *	21.9	91	7.3	---

Page 1 of 3



Maine Scale Company
MAINE TEST NUMBER 8394ME

Page 2 of 3

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	33.9	70	5.8	---
0.5 lb	21.0	45	4.9	---
0.2 lb	8.1	18	1.2	---
0.2 lb *	5.5	18	1.2	---
0.1 lb	3.46	9.1	0.55	---
0.05 lb	1.87	4.5	0.28	---
0.02 lb	0.21	1.8	0.15	---
0.02 lb *	0.04	1.8	0.15	---
0.01 lb	0.210	1.5	0.10	---

Environmental conditions at time of test:

Temperature: 18.8 °C

Relative Humidity: 40.3 %

Barometric Pressure: 755.58 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Date Received: December 18, 2025

Date of Test: December 31, 2025

Calibration Due: December 31, 2027

Calibration by: Bradford Bachelder



PHONE: (207) 287-7587

FAX: (207) 287-7161

[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Av Small/Maine Scale_28619_8394ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Av%20Small/Maine%20Scale_28619_8394ME.doc)

Maine Scale Company
MAINE TEST NUMBER 8394ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





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DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8373ME
(50) 1000 lb. Cast Iron Weights & (1) 500 lb. Cast Iron Weights
Date of Report: January 7, 2026

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the state of Maine are traceable to the International System of Units (SI) through Oklahoma Bureau of Standards test no. OBS 17-1193. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025 and 2026. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the following tabulation. Weights received in an out of tolerance condition show a bold value in the "before adjustment" column. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 (k=2.0) representing approximately a 95 % confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C.



Maine Scale Company
Maine Test Number 8373ME
Page 2 of 4

Serial Number	Nominal	Correction g	NIST Class F Tolerance, g	Uncertainty g	Before Adjustment, g
1	1000 lb.	-32.0	23	3.2	---
2	1000 lb.	9.4	23	3.2	---
3	1000 lb.	-29.2	23	3.2	---
4	1000 lb.	18.0	23	3.2	---
5	1000 lb.	-29.0	23	3.2	---
6	1000 lb.	-19.2	45	3.2	---
7	1000 lb.	21.6	45	3.2	---
8	1000 lb.	5.7	45	3.2	58.7
9	1000 lb.	14.4	45	3.2	---
10	1000 lb.	-24.0	45	3.2	---
11	1000 lb.	-26.0	45	3.2	---
12	1000 lb.	10.5	45	3.2	---
13	1000 lb.	-15.2	45	3.2	---
14	1000 lb.	-1.4	45	3.2	---
15	1000 lb.	-34.9	45	3.2	---
16	1000 lb.	-24.2	45	3.2	---
60	1000 lb.	12.4	45	3.2	---
61	1000 lb.	-22.9	45	3.2	---
62	1000 lb.	0.0	45	3.2	---
63	1000 lb.	1.0	45	3.2	---
64	1000 lb.	-28.4	45	3.2	---
65	1000 lb.	-23.6	45	3.2	---
66	1000 lb.	-40.6	45	3.2	---
67	1000 lb.	7.4	45	3.2	-43.0
68	1000 lb.	27.4	45	3.2	---
69	1000 lb.	39.7	45	3.2	---
70	1000 lb.	-6.4	45	3.2	---
71	1000 lb.	-22.7	45	3.2	---
72	1000 lb.	26.8	45	3.2	---
73	1000 lb.	-20.3	45	3.2	---
0201	1000 lb.	25.8	45	3.2	---
0202	1000 lb.	5.8	45	3.2	50.7
0203	1000 lb.	27.0	45	3.2	---
0205	1000 lb.	-4.2	45	3.2	---
0302	1000 lb.	0.8	45	3.2	---



Maine Scale Company
Maine Test Number 8373ME
Page 3 of 4

Serial Number	Nominal	Correction g	NIST Class F Tolerance, g	Uncertainty g	Before Adjustment, g
0303	1000 lb.	-30.0	45	3.2	---
0304	1000 lb.	-11.4	45	3.2	---
0305	1000 lb.	-28.4	45	3.2	---
0307	1000 lb.	-27.3	45	3.2	---
0310	1000 lb.	-31.8	45	3.2	---
0311	1000 lb.	-10.0	45	3.2	---
0325	1000 lb.	6.0	45	3.2	324.7 (WET)
0351	1000 lb.	-38.2	45	3.2	---
0352	1000 lb.	12.3	45	3.2	---
1002	1000 lb.	4.0	45	3.2	---
1004	1000 lb.	12.6	45	3.2	---
1006	1000 lb.	-1.0	45	3.2	---
1009	1000 lb.	-2.3	45	3.2	---
366004	1000 lb.	28.5	45	3.2	---
366008	1000 lb.	-6.0	45	3.2	---
76	500 lb.	-13.1	23	2.1	---

Environmental conditions at time of test:
Temperature: 18.8 °C to 19.3 °C
Relative Humidity: 40.4 % to 41.3 %
Pressure: 751.16 mmHg to 759.74 mmHg
Data reduction sheets are on file at the laboratory.

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.

SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms



Maine Scale Company
Maine Test Number 8373ME
Page 4 of 4

Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Dates Received: December 1, 2025 and December 18, 2025

Dates of Test: December 4, 2025, December 5, 2025, January 6, 2026 and January 7, 2026

Calibration Due: December 31, 2026

Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

JANET T. MILLS
GOVERNOR

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8375ME
Weight Kit: 10 lb to 1 lb & 8 oz to 1/32 oz
SN: 48541
Date of Report: January 6, 2026

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019), and were found to be or adjusted to within ASTM E617-23 class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required. Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	94	230	27	---
5 lb	44	110	15	---
2 lb *	15.7	45	7.3	---
2 lb **	16.7	45	7.3	---



Maine Scale Company
MAINE TEST NUMBER 8375ME

Page 2 of 3

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	13.6	35	5.8	---
8 oz	8.9	23	4.9	---
4 oz	4.0	11	1.5	---
2 oz	2.99	5.7	0.91	---
1 oz	-0.30	2.8	0.71	---
1/2 oz	0.83	1.4	0.20	---
1/4 oz	0.10	0.84	0.15	---
1/8 oz	0.33	0.67	0.13	---
1/16 oz	0.13	0.50	0.12	---
1/32 oz	0.18	0.43	0.11	---
1/32 oz *	0.25	0.43	0.11	---

Environmental conditions at time of test:

Temperature: 18.6 °C

Relative Humidity: 40.7 %

Barometric Pressure: 747.11 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Date Received: December 1, 2025

Date of Test: December 12, 2025

Calibration Due: December 31, 2027

Calibration by: Bradford Bachelder



PHONE: (207) 287-7587

FAX: (207) 287-7161

https://stateofmaine-my.sharepoint.com/personal/bradford_bachelder_maine_gov/Documents/OldHomeDirectory/Metrology

Lab/CALIBRATIONS/Calibration 2025/Mass III Av Small/Maine Scale_48541_8375ME.doc

Maine Scale Company
MAINE TEST NUMBER 8375ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Bradford Bachelder, Metrologist

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DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8375ME
Weight Kit: 10 lb to 1 lb & 8 oz to 1/32 oz
SN: 48541
Date of Report: January 6, 2026

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019), and were found to be or adjusted to within ASTM E617-23 class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required. Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	94	230	27	---
5 lb	44	110	15	---
2 lb *	15.7	45	7.3	---
2 lb **	16.7	45	7.3	---





JANET T. MILLS
GOVERNOR

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28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
DIRECTOR

REPORT OF CALIBRATION
MAINE TEST NUMBER 8376ME
Metric Weight Kit: 5 kg to 1 mg
SN: 48542
Date of Report: January 5, 2025

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019), and were found to be or adjusted to within ASTM E617-23 Class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-022-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2026. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 (k=2.0) representing a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.



Maine Scale Company
MAINE TEST NUMBER 8376ME
 Page 2 of 3

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.
 Environmental conditions at time of test:

Nominal & Marking	Correction mg	ASTM E617-23 Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
5 kg	85	250	31	---
2 kg	34	100	13	---
2 kg *	37	100	13	---
1 kg	18.7	50	7.0	---
500 g	16.1	35	5.5	---
200 g *	9.7	20	4.3	---
200 g **	8.6	20	4.3	---
100 g	2.6	10	1.2	---
50 g	2.55	10	0.60	---
20 g	0.65	2.0	0.26	---
20 g *	0.53	2.0	0.26	---
10 g	0.47	1.0	0.13	---
5 g	0.20	0.75	0.11	---
2 g	0.323	0.56	0.086	---
2 g *	0.223	0.56	0.086	---
1 g	0.163	0.45	0.063	---
500 mg	0.077	0.36	0.054	---
200 mg	0.045	0.27	0.046	---
200 mg *	0.125	0.27	0.046	---
100 mg	0.067	0.22	0.037	---
50 mg	0.085	0.17	0.034	---
20 mg	0.063	0.13	0.031	---
20 mg *	0.048	0.13	0.031	---
10 mg	0.033	0.10	0.015	---
5 mg	0.036	0.083	0.013	---
2 mg	0.031	0.062	0.010	---
2 mg *	0.029	0.062	0.010	---
1 mg	0.031	0.050	0.0096	---

Temperature: 18.8 °C
 Relative Humidity: 41.1 %
 Barometric Pressure: 763.06 mmHg.
 Data reduction sheets are on file at the laboratory.



Maine Scale Company
MAINE TEST NUMBER 8376ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: November 28, 2025
Date of Test: December 18, 2025
Calibration Due: December 31, 2027
Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





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AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8377ME
Weight Kit: 10 lb to 1 lb & 8 oz to 1/32 oz
SN: 48543
Date of Report: January 6, 2026

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within ASTM E617-23 class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required. Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	89	230	27	---
5 lb	46	110	15	---
2 lb *	21.9	45	7.3	---
2 lb **	17.9	45	7.3	---



Maine Scale Company
MAINE TEST NUMBER 8377ME

Page 2 of 3

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	10.9	35	5.8	---
8 oz	18.0	23	4.9	---
4 oz	3.1	11	1.5	---
2 oz	2.50	5.7	0.91	---
1 oz	1.40	2.8	0.71	---
1/2 oz	0.70	1.4	0.20	---
1/4 oz	0.39	0.84	0.15	---
1/8 oz	0.33	0.67	0.13	---
1/16 oz	0.01	0.50	0.12	---
1/32 oz	-0.07	0.43	0.11	---
1/32 oz *	0.04	0.43	0.11	---

Environmental conditions at time of test:

Temperature: 18.5 °C

Relative Humidity: 40.6 %

Barometric Pressure: 755.62 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Date Received: December 1, 2025

Date of Test: December 31, 2025

Calibration Due: December 31, 2027

Calibration by: Bradford Bachelder

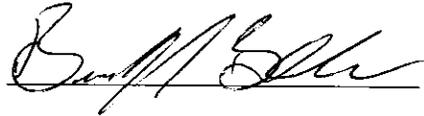


PHONE: (207) 287-7587

FAX: (207) 287-7161

[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Av Small/Maine Scale_48543_8377ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Av%20Small/Maine%20Scale_48543_8377ME.doc)

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Bradford Bachelder, Metrologist

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JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
DIRECTOR

REPORT OF CALIBRATION
MAINE TEST NUMBER 8378ME

Metric Weight Kit: 5 kg to 1 mg

SN: 48544

Date of Report: January 5, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within ASTM E617-23 Class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-022-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 ($k=2.0$) representing a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm^3 at $20 \text{ }^\circ\text{C}$. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Page 1 of 3



PHONE: (207) 287-7587

[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Metric/Maine Scale_48544_8378ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Metric/Maine%20Scale_48544_8378ME.doc)

FAX: (207) 287-7161

Maine Scale Company
MAINE TEST NUMBER 8378ME
 Page 2 of 3

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.
 Environmental conditions at time of test:

Nominal & Marking	Correction mg	ASTM E617-23 Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
5 kg	139	250	31	---
2 kg	40	100	13	---
2 kg *	35	100	13	---
1 kg	16.7	50	7.0	---
500 g	13.1	35	5.5	---
200 g *	8.4	20	4.3	---
200 g **	6.8	20	4.3	---
100 g	4.7	10	1.2	---
50 g	2.01	10	0.60	---
20 g	0.75	2.0	0.26	---
20 g *	0.21	2.0	0.26	---
10 g	0.36	1.0	0.13	---
5 g	0.08	0.75	0.11	---
2 g	0.173	0.56	0.087	---
2 g *	0.153	0.56	0.087	---
1 g	0.163	0.45	0.063	---
500 mg	0.037	0.36	0.054	---
200 mg	0.125	0.27	0.046	---
200 mg *	0.135	0.27	0.046	---
100 mg	0.060	0.22	0.037	---
50 mg	0.058	0.17	0.034	---
20 mg	0.024	0.13	0.031	---
20 mg *	0.058	0.13	0.031	---
10 mg	0.021	0.10	0.015	---
5 mg	0.009	0.083	0.013	---
2 mg	0.028	0.062	0.010	---
2 mg *	0.033	0.062	0.010	---
1 mg	0.009	0.050	0.0096	---

Temperature: 18.6 °C
 Relative Humidity: 40.3 %
 Barometric Pressure: 739.29 mmHg.
 Data reduction sheets are on file at the laboratory.



Maine Scale Company
MAINE TEST NUMBER 8378ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: November 26, 2025
Date of Test: December 11, 2025
Calibration Due: December 31, 2027
Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8379ME
Weight Kit: 10 lb to 1 lb & 8 oz to 1/32 oz
SN: 48547
Date of Report: January 6, 2026

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within ASTM E617-23 class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required. Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	105	230	27	---
5 lb	50	110	15	---
2 lb *	11.7	45	7.3	---
2 lb **	8.7	45	7.3	---

Page 1 of 3



Maine Scale Company
MAINE TEST NUMBER 8379ME
 Page 2 of 3

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	3.6	35	5.8	---
8 oz	7.9	23	4.9	---
4 oz	3.3	11	1.5	---
2 oz	2.78	5.7	0.91	---
1 oz	0.57	2.8	0.71	---
1/2 oz	0.95	1.4	0.20	---
1/4 oz	0.39	0.84	0.15	---
1/8 oz	0.09	0.67	0.13	---
1/16 oz	0.11	0.50	0.12	---
1/32 oz	0.11	0.43	0.11	---
1/32 oz *	0.15	0.43	0.11	---

Environmental conditions at time of test:

Temperature: 18.8 °C

Relative Humidity: 40.7 %

Barometric Pressure: 739.15 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k ($k=2.0$) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm^3 at $20 \text{ }^\circ\text{C}$. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Date Received: November 26, 2025

Date of Test: December 11, 2025

Calibration Due: December 31, 2027

Calibration by: Bradford Bachelder



PHONE: (207) 287-7587

[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Av Small/Maine Scale_48547_8379ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Av%20Small/Maine%20Scale_48547_8379ME.doc)

FAX: (207) 287-7161

Maine Scale Company
MAINE TEST NUMBER 8379ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
DIRECTOR

REPORT OF CALIBRATION
MAINE TEST NUMBER 8380ME
Metric Weight Kit: 5 kg to 1 mg
SN: 48548
Date of Report: January 5, 2026

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within ASTM E617-23 Class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-022-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 (k=2.0) representing a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.



Maine Scale Company
MAINE TEST NUMBER 8380ME
 Page 2 of 3

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.
 Environmental conditions at time of test:

Nominal & Marking	Correction mg	ASTM E617-23 Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
5 kg	57	250	31	---
2 kg	39	100	13	---
2 kg *	47	100	13	---
1 kg	18.7	50	7.0	---
500 g	15.1	35	5.5	---
200 g *	6.9	20	4.3	---
200 g **	8.2	20	4.3	---
100 g	4.7	10	1.2	---
50 g	2.82	10	0.60	---
20 g	0.49	2.0	0.26	---
20 g *	0.88	2.0	0.26	---
10 g	0.20	1.0	0.13	---
5 g	0.02	0.75	0.11	---
2 g	0.253	0.56	0.087	---
2 g *	0.043	0.56	0.087	---
1 g	0.033	0.45	0.063	---
500 mg	0.102	0.36	0.054	---
200 mg	0.119	0.27	0.046	---
200 mg *	0.080	0.27	0.046	---
100 mg	0.055	0.22	0.037	---
50 mg	0.069	0.17	0.034	---
20 mg	0.049	0.13	0.031	---
20 mg *	0.057	0.13	0.031	---
10 mg	0.042	0.10	0.015	---
5 mg	0.030	0.083	0.013	---
2 mg	0.019	0.062	0.010	---
2 mg *	0.030	0.062	0.010	---
1 mg	0.024	0.050	0.0096	---

Temperature: 18.7 °C
 Relative Humidity: 41.3 %
 Barometric Pressure: 764.22 mmHg.
 Data reduction sheets are on file at the laboratory.



Maine Scale Company
MAINE TEST NUMBER 8380ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: December 1, 2025
Date of Test: December 18, 2025
Calibration Due: December 31, 2027
Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8381ME

Weight Kit: 5 lb to 0.001 lb

SN: 54

Date of Report: January 6, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required. Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
5 lb	-10	230	15	---
5 lb *	-6	230	15	---
5 lb **	-2	230	15	---
5 lb ***	-6	230	15	---
5 lb ****	-4	230	15	---

Page 1 of 3



PHONE: (207) 287-7587

FAX: (207) 287-7161

[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelorder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Av Small/Maine Scale_54_8381ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelorder_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Av%20Small/Maine%20Scale_54_8381ME.doc)

Maine Scale Company
MAINE TEST NUMBER 8381ME
 Page 2 of 3

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	26.9	70	5.8	---
1 lb *	28.9	70	5.8	---
1 lb **	24.9	70	5.8	---
1 lb ***	21.9	70	5.8	---
1 lb ****	28.9	70	5.8	---
0.5 lb	17.0	45	4.9	---
0.2 lb	5.3	18	1.2	---
0.2 lb *	3.7	18	1.2	---
0.1 lb	3.10	9.1	0.55	---
0.05 lb	-0.10	4.5	0.28	---
0.02 lb	0.46	1.8	0.15	---
0.02 lb *	0.00	1.8	0.15	---
0.01 lb	1.05	1.5	0.10	---
0.005 lb	0.869	1.2	0.086	---
0.002 lb	0.562	0.87	0.071	---
0.002 lb *	0.512	0.87	0.071	---
0.001 lb	0.440	0.70	0.049	---

Environmental conditions at time of test:

Temperature: 18.9 °C

Relative Humidity: 40.6 %

Barometric Pressure: 755.26 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.



Maine Scale Company
MAINE TEST NUMBER 8381ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: November 26, 2025
Date of Test: December 31, 2025
Calibration Due: December 31, 2027
Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

JANET T. MILLS
GOVERNOR

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8382ME

Weight Kit: 10 lb to 0.001 lb

SN: 5940

Date of Report: January 6, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	138	450	27	---
5 lb	113	230	15	---
2 lb	40.7	91	7.3	---
2 lb *	44.7	91	7.3	---



Maine Scale Company
MAINE TEST NUMBER 8382ME
 Page 2 of 3

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	34.6	70	5.8	---
0.5 lb	37.9	45	4.9	---
0.2 lb	14.7	18	1.2	---
0.2 lb *	15.4	18	1.2	---
0.1 lb	2.66	9.1	0.55	---
0.05 lb	3.34	4.5	0.28	---
0.02 lb	1.13	1.8	0.15	---
0.02 lb *	1.25	1.8	0.15	---
0.01 lb	0.38	1.5	0.10	---
0.005 lb	0.374	1.2	0.086	---
0.002 lb	-0.144	0.87	0.071	---
0.002 lb *	-0.304	0.87	0.071	---
0.001 lb	0.305	0.70	0.049	---

Environmental conditions at time of test:
 Temperature: 18.4 °C
 Relative Humidity: 40.6 %
 Barometric Pressure: 747.64 mmHg
 Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Date Received: December 1, 2025
 Date of Test: December 12, 2025
 Calibration Due: December 31, 2027
 Calibration by: Bradford Bachelder



Maine Scale Company
MAINE TEST NUMBER 8382ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8383ME

Weight Kit: 5 lb to 0.001 lb

SN: 6013

Date of Report: January 6, 2025

SUBMITTED BY:

Maine Scale Company
 4 Washington St. North
 Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required. Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
5 lb	32	230	15	---
5 lb *	28	230	15	---
5 lb **	48	230	15	---
5 lb ***	40	230	15	---
5 lb ****	52	230	15	---



Maine Scale Company
MAINE TEST NUMBER 8383ME
 Page 2 of 3

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	12.6	70	5.8	---
1 lb *	52.6	70	5.8	---
1 lb **	30.6	70	5.8	---
1 lb ***	12.6	70	5.8	---
1 lb ****	3.6	70	5.8	---
0.5 lb	14.9	45	4.9	---
0.2 lb	7.2	18	1.2	---
0.2 lb *	7.8	18	1.2	---
0.1 lb	0.48	9.1	0.55	---
0.05 lb	0.96	4.5	0.28	---
0.02 lb	1.02	1.8	0.15	---
0.02 lb *	1.10	1.8	0.15	---
0.01 lb	0.665	1.5	0.10	---
0.005 lb	-0.867	1.2	0.086	---
0.002 lb	0.726	0.87	0.071	---
0.002 lb *	0.006	0.87	0.071	---
0.001 lb	0.295	0.70	0.049	---

Environmental conditions at time of test:

Temperature: 18.6 °C

Relative Humidity: 40.4 %

Barometric Pressure: 748.33 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.



Maine Scale Company
MAINE TEST NUMBER 8383ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: November 26, 2025
Date of Test: December 12, 2025
Calibration Due: December 31, 2027
Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
DIRECTOR

REPORT OF CALIBRATION
MAINE TEST NUMBER 8397ME

Metric Weight Kit: 5 kg to 1 mg

SN: 48545

Date of Report: January 5, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019), and were found to be or adjusted to within ASTM E617-23 Class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-022-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2026. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 ($k=2.0$) representing a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm^3 at $20 \text{ }^\circ\text{C}$. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Page 1 of 3



Maine Scale Company
MAINE TEST NUMBER 8397ME
 Page 2 of 3

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.
 Environmental conditions at time of test:

Nominal & Marking	Correction mg	ASTM E617-23 Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
5 kg	106	250	31	---
2 kg	29	100	13	---
2 kg *	35	100	13	---
1 kg	18.8	50	7.0	---
500 g	17.9	35	5.5	---
200 g *	6.6	20	4.3	---
200 g **	5.7	20	4.3	---
100 g	1.0	10	1.2	---
50 g	2.47	10	0.60	---
20 g	0.77	2.0	0.26	---
20 g *	0.60	2.0	0.26	---
10 g	0.47	1.0	0.13	---
5 g	0.15	0.75	0.11	---
2 g	0.283	0.56	0.087	---
2 g *	0.363	0.56	0.087	---
1 g	0.102	0.45	0.063	---
500 mg	0.090	0.36	0.054	---
200 mg	0.056	0.27	0.046	---
200 mg *	0.006	0.27	0.046	---
100 mg	0.249	0.22	0.037	---
50 mg	0.154	0.17	0.034	---
20 mg	0.096	0.13	0.031	---
20 mg *	0.014	0.13	0.031	---
10 mg	0.088	0.10	0.015	---
5 mg	0.015	0.083	0.013	---
2 mg	0.040	0.062	0.010	---
2 mg *	0.049	0.062	0.010	---
1 mg	0.0317	0.050	0.0096	---

Temperature: 18.5 °C
 Relative Humidity: 40.3 %
 Barometric Pressure: 748.52 mmHg.
 Data reduction sheets are on file at the laboratory.



Maine Scale Company
MAINE TEST NUMBER 8397ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: December 23, 2025
Date of Test: January 2, 2026
Calibration Due: January 31, 2028
Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8385ME

Weight Kit: 5 lb to 0.001 lb

SN: MCI160

Date of Report: January 6, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
5 lb	97	230	15	---
5 lb *	78	230	15	---
5 lb **	98	230	15	---
5 lb ***	92	230	15	---
5 lb ****	87	230	15	---

Page 1 of 3



Maine Scale Company
MAINE TEST NUMBER 8385ME

Page 2 of 3

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	23.9	70	5.8	---
1 lb *	20.9	70	5.8	---
1 lb **	28.9	70	5.8	---
1 lb ***	24.9	70	5.8	---
1 lb ****	28.9	70	5.8	---
0.5 lb	21.0	45	4.9	---
0.2 lb	7.5	18	1.2	---
0.2 lb *	7.6	18	1.2	---
0.1 lb	4.00	9.1	0.55	---
0.05 lb	2.19	4.5	0.28	---
0.02 lb	0.26	1.8	0.15	---
0.02 lb *	0.31	1.8	0.15	---
0.01 lb	0.510	1.5	0.10	---
0.005 lb	0.569	1.2	0.086	---
0.002 lb	0.112	0.87	0.071	---
0.001 lb	0.080	0.70	0.049	---
0.001 lb *	0.330	0.70	0.049	---

Environmental conditions at time of test:

Temperature: 19.0 °C

Relative Humidity: 40.9 %

Barometric Pressure: 755.89 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k ($k=2.0$) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.



PHONE: (207) 287-7587

FAX: (207) 287-7161

[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Av Small/Maine Scale_MC1160_8385ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Av%20Small/Maine%20Scale_MC1160_8385ME.doc)

Maine Scale Company
MAINE TEST NUMBER 8385ME

Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: December 1, 2025

Date of Test: December 31, 2025

Calibration Due: December 31, 2027

Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.



PHONE: (207) 287-7587

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FAX: (207) 287-7161



JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
DIRECTOR

REPORT OF CALIBRATION
MAINE TEST NUMBER 8395ME

Metric Weight Kit: 5 kg to 1 g

SN: 28620

Date of Report: January 5, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019), and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-022-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2026. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 ($k=2.0$) representing a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm^3 at $20 \text{ }^\circ\text{C}$. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Page 1 of 3



PHONE: (207) 287-7587

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FAX: (207) 287-7161

Maine Scale Company
MAINE TEST NUMBER 8395ME
 Page 2 of 3

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.
 Environmental conditions at time of test:

Temperature: 18.7 °C
 Relative Humidity: 40.9 %
 Barometric Pressure: 748.65 mmHg.
 Data reduction sheets are on file at the laboratory.

Nominal & Marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
5 kg	117	500	31	---
5 kg *	144	500	31	---
2 kg	70	200	13	---
2 kg *	56	200	7	---
1 kg	28.8	100	7.0	---
500 g *	19.9	70	5.5	---
500 g **	21.9	70	5.5	---
500 g ***	9.9	70	5.5	---
500 g ****	27.9	70	5.5	---
500 g *****	21.9	70	5.5	---
200 g	14.9	40	4.3	---
200 g *	14.3	40	4.3	---
100 g	4.20	20	1.2	---
50 g	4.67	10	0.60	---
20 g	1.03	4.0	0.26	---
20 g *	0.92	4.0	0.26	---
10 g	0.64	2.0	0.13	---
5 g	0.39	1.5	0.11	---
2 g	0.423	1.1	0.087	---
2 g *	0.323	1.1	0.087	---
1 g	0.472	0.90	0.063	---

Date Received: December 18, 2025
 Date of Test: January 2, 2026
 Calibration Due: January 31, 2028
 Calibration by: Bradford Bachelder



Maine Scale Company
MAINE TEST NUMBER 8395ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8399ME

Weight Kit: 10 lb to 0.001 lb

SN: 9WCB

Date of Report: January 6, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	166	450	27	---
5 lb ****	102	230	15	---
2 lb	10.9	91	7.3	---
2 lb *	18.9	91	7.3	---



Maine Scale Company
MAINE TEST NUMBER 8399ME
 Page 2 of 3

Nominal & marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	14.9	70	5.8	---
0.5 lb	23.0	45	4.9	---
0.2 lb	6.9	18	1.2	---
0.2 lb *	5.9	18	1.2	---
0.1 lb	3.95	9.1	0.55	---
0.05 lb	2.33	4.5	0.28	---
0.02 lb	0.80	1.8	0.15	---
0.02 lb *	0.66	1.8	0.15	---
0.01 lb	0.390	1.5	0.10	---
0.005 lb	0.529	1.2	0.086	---
0.002 lb	0.342	0.87	0.071	---
0.002 lb *	0.022	0.87	0.071	---
0.001 lb	0.300	0.70	0.049	---

Environmental conditions at time of test:
 Temperature: 20.1 °C
 Relative Humidity: 40.6 %
 Barometric Pressure: 757.59 mmHg
 Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Date Received: December 18, 2025
 Date of Test: December 31, 2025
 Calibration Due: December 31, 2027
 Calibration by: Bradford Bachelder



Maine Scale Company
MAINE TEST NUMBER 8399ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Bradford Bachelder, Metrologist

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JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
DIRECTOR

REPORT OF CALIBRATION
MAINE TEST NUMBER 8398ME

Metric Weight Kit: 5 kg to 1 g

SN: 74742

Date of Report: January 5, 2026

SUBMITTED BY:

Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within NIST Handbook 105-1 Class "F" tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-022-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2026. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 (k=2.0) representing a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Page 1 of 3



PHONE: (207) 287-7587

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[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Metric/Maine Scale_74742_8398ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_maine_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Metric/Maine%20Scale_74742_8398ME.doc)

Maine Scale Company
MAINE TEST NUMBER 8398ME
 Page 2 of 3

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.
 Environmental conditions at time of test:

Temperature: 18.8 °C
 Relative Humidity: 40.7 %
 Barometric Pressure: 748.66 mmHg.
 Data reduction sheets are on file at the laboratory.

Nominal & Marking	Correction mg	NIST Class F Tolerance mg	Uncertainty mg	Before Adjustment
5 kg	147	500	31	---
2 kg	52	200	13	---
2 kg *	54	200	13	---
1 kg	26.8	100	7.0	---
500 g	11.9	70	5.5	---
200 g	6.5	40	4.3	---
200 g *	6.1	40	4.3	---
100 g	9.9	20	1.2	---
50 g	4.96	10	0.60	---
20 g	0.52	4.0	0.26	---
20 g *	0.98	4.0	0.26	---
10 g	0.71	2.0	0.13	---
5 g	0.59	1.5	0.11	---
2 g	0.753	1.1	0.087	---
2 g *	0.593	1.1	0.087	---
1 g	0.182	0.90	0.063	---

Date Received: December 18, 2025
 Date of Test: January 2, 2026
 Calibration Due: January 31, 2028
 Calibration by: Bradford Bacheider

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.



Maine Scale Company
MAINE TEST NUMBER 8398ME
Page 3 of 3



Bradford Bachelder, Metrologist

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JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

Amanda E. Beal
COMMISSIONER

Celeste Poulin
DIRECTOR

REPORT OF CALIBRATION
MAINE TEST NUMBER 8400ME
Metric Weight Kit: 2 kg to 5 mg
SN: MS54
Date of Report: January 5, 2026

SUBMITTED BY:
Maine Scale Company
4 Washington St. North
Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019), and were found to be or adjusted to within ASTM E617-23 Class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-022-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2026. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor of 2.0 ($k=2.0$) representing a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm^3 at $20 \text{ }^\circ\text{C}$. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Page 1 of 3



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[https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_main_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration 2025/Mass III Metric/Maine Scale_MS54_8400ME.doc](https://stateofmaine-my.sharepoint.com/personal/bradford_bachelor_main_gov/Documents/OldHomeDirectory/Metrology/Lab/CALIBRATIONS/Calibration%2025/Mass%20III%20Metric/Maine%20Scale_MS54_8400ME.doc)

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Maine Scale Company
MAINE TEST NUMBER 8400ME
 Page 2 of 3

Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017.
 Environmental conditions at time of test:

Nominal & Marking	Correction mg	ASTM E617-23 Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
2 kg	35	100	13	---
1 kg	7.8	50	7.0	---
500 g	3.9	35	5.5	---
200 g	5.9	20	4.3	---
200 g *	7.2	20	4.3	---
100 g	3.6	10	1.2	---
50 g	3.72	10	0.60	---
20 g	1.02	2.0	0.26	---
20 g *	0.65	2.0	0.26	---
10 g	0.70	1.0	0.13	---
5 g	0.45	0.75	0.11	---
2 g	0.203	0.56	0.087	---
2 g *	0.083	0.56	0.087	---
1 g	0.262	0.45	0.063	---
500 mg	0.090	0.36	0.054	---
200 mg	0.056	0.27	0.046	---
200 mg *	0.036	0.27	0.046	---
100 mg	0.049	0.22	0.037	---
50 mg	0.004	0.17	0.034	---
20 mg	-0.044	0.13	0.031	---
20 mg *	-0.074	0.13	0.031	---
10 mg	0.057	0.10	0.015	---
5 mg	0.031	0.083	0.013	---

Temperature: 18.6 °C
 Relative Humidity: 41.4 %
 Barometric Pressure: 748.23 mmHg.
 Data reduction sheets are on file at the laboratory.



Maine Scale Company
MAINE TEST NUMBER 8400ME
Page 3 of 3

Magnetism, Density, & Surface Finish: The calibration performed did not include testing to determine whether the test items met the maximum susceptibility requirements for magnetism, limits for density, or maximum values for surface finish. Where applicable, our laboratory uses an assumed density which is provided by the client or weight manufacturer. It is the responsibility of the requestor of the calibration to select classifications acceptable to their needs.

Date Received: December 18, 2025
Date of Test: January 2, 2026
Calibration Due: January 31, 2028
Calibration by: Bradford Bachelder



Bradford Bachelder, Metrologist

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Calibrations performed at 333 Cony Road, Augusta ME.





STATE OF MAINE
DEPARTMENT OF AGRICULTURE, CONSERVATION & FORESTRY
DIVISION OF QUALITY ASSURANCE AND REGULATIONS
28 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0028

JANET T. MILLS
GOVERNOR

Amanda E. Beal
COMMISSIONER

Celeste Poulin
Director

REPORT OF CALIBRATION
MAINE TEST NUMBER 8396ME
 Weight Kit: 10 lb to 1 lb & 8 oz to 1/32 oz
 SN: 48546
 Date of Report: January 6, 2026

SUBMITTED BY:
 Maine Scale Company
 4 Washington St. North
 Auburn, ME 04210

The mass standards described above have been compared with standards of the State of Maine by NIST SOP 8 (Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019) and were found to be or adjusted to within ASTM E617-23 class 5 tolerances. Weights received in good condition.

Standards of the State of Maine are traceable to the International System of Units (S.I.) through Oregon State test number OR-24-015-C. The Maine Laboratory is recognized by NIST, OWM, under the "Laboratory Metrology Program", at Mass Echelon III for 2025. Measurements by this laboratory are traceable to the National Standards at NIST.

The mass standards described above were found to have mass values at the time of test as indicated in the tabulation on the following page. Weights received in an out of tolerance condition will show a bold value in a "before adjustment" column if required. Calibrations performed by this laboratory comply with the requirements of ISO/IEC 17025:2017. **SI conversion: 1-pound avoirdupois equals 0.45359237 kilograms.**

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
10 lb	4	230	27	---
5 lb	35	110	15	---
2 lb *	21.9	45	7.3	---
2 lb **	19.9	45	7.3	---



Maine Scale Company
MAINE TEST NUMBER 8396ME

Page 2 of 3

Nominal & marking	Correction mg	ASTM Class 5 Tolerance mg	Uncertainty mg	Before Adjustment
1 lb	1.9	35	5.8	---
8 oz	3.0	23	4.9	---
4 oz	2.4	11	1.5	---
2 oz	1.88	5.7	0.91	---
1 oz	0.25	2.8	0.71	---
1/2 oz	0.76	1.4	0.20	---
1/4 oz	0.40	0.84	0.15	---
1/8 oz	-0.07	0.67	0.13	---
1/16 oz	0.46	0.50	0.12	---
1/32 oz	0.16	0.43	0.11	---
1/32 oz *	0.19	0.43	0.11	---

Environmental conditions at time of test:

Temperature: 19.0 °C

Relative Humidity: 40.7 %

Barometric Pressure: 755.74 mmHg

Data reduction sheets are on file at the laboratory.

The uncertainties shown with reported values are calculated on the conventional mass values and expressed as the sum of the following sources of inaccuracy; (1) Type B, systematic errors relative to the reference standard and procedure used, including bias, and (2) Type A, random errors determined by the standard deviation of the measurement process. Type A and Type B uncertainties are combined by the root sum squared method and multiplied by a coverage factor k (k=2.0) to represent approximately a 95% confidence level. All mass values have been determined as "conventional mass" with respect to stainless steel with a density of 8.0 g/cm³ at 20 °C. The summation value of the measurement uncertainty and measurement result is used when comparing results to specified tolerances and issuing statements of compliance.

Date Received: December 18, 2025

Date of Test: December 31, 2025

Calibration Due: December 31, 2027

Calibration by: Bradford Bachelder



PHONE: (207) 287-7587

FAX: (207) 287-7161

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Maine Scale Company
MAINE TEST NUMBER 8396ME

Page 3 of 3

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Bradford Bachelder, Metrologist

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