State of Wisconsin
Governor Tony Evers

**Department of Agriculture, Trade and Consumer Protection**
Secretary Randy Romanski

Wisconsin Weights and Measures Laboratory

# *Calibration Certificate*

***for calibration work performed for:***

**HAWKEYE STATE SCALE, INC.**

1357 HWY 965 NW
SWISHER, IA 52338
(563) 554-1406

| | | | |
|---|---|---|---|
| Date Received: | January 09, 2025 | State Test No.: | W25-006 |
| Date of Calibration: | January 09, 2025 | | |
| Date Issued: | January 13, 2025 | | |

**Uncertainty Statement**

For the mass standards used in this calibration, some uncertainty components were assessed through a Type A evaluation, the method for assessing uncertainty by a statistical analysis of measured quantity values obtained under defined measurement conditions. In addition, other components were assessed from a Type B evaluation of standard uncertainty, based on scientific judgement using all of the relevant information available. The combined standard uncertainty was multiplied by a statistically determined coverage factor to provide an expanded uncertainty. The expanded uncertainty defines an interval having a level of confidence of approximately 95 percent, assuming normal distribution. The expanded uncertainty presented in this report is consistent with the ISO/IEC Guide to the Expression of Uncertainty in Measurement using the Root Sum Squares method (JCGM 100:2008).

**Traceability Statement**

The standards used by the Wisconsin State laboratory demonstrate an unbroken traceable chain to the International System of Units (SI) through the National Institute of Standards and Technology (NIST) and are part of a comprehensive measurement assurance program for ensuring continued accuracy and measurement traceability within the level of uncertainty reported by this laboratory. The laboratory maintains documented calibration intervals and uses documented procedures, all under the performance of trained personnel who demonstrate suitable measurement assurance for the information listed in this calibration certificate. The laboratory test number identified above is the unique test number to be used in referencing measurement traceability for the artifacts identified in this certificate. The State Standards are traceable to the SI unit for mass, the kilogram.

**Conformity Statement**

These results relate only to the items calibrated in this certificate. Field standards and weight carts are calibrated based on guidance described in NIST Handbook 105-1 (2019) and NIST Handbook 105-8 (2019), respectively, using NISTIR 6969: Selected Laboratory Measurement Practices and Procedures to Support Basic Mass Calibrations (2019). Field standards calibrated to NIST Class F, ASTM 5, and ASTM 6 tolerances are usable for testing class III, III L, and IIII weighing devices, following NIST Handbook 44, Specifications, Tolerances, and Other Technical Requirements for Weighing and Measuring Devices. Field standards calibrated to NIST Class F, ASTM 5, or ASTM 6 tolerances are not suitable for testing class I and class II weighing devices, which must be tested with field standards of higher precision than NIST Class F, ASTM 5, or ASTM 6. Weights calibrated to ASTM 7 tolerances by this laboratory cannot be used for testing commercial weighing devices. Field standards calibrated to ASTM Standard Specification E617-23 are not checked for density [Stainless steel weights are assumed 8.0 grams per cubic centimeter], or for magnetism.

**Decision Rule**

All calibrated weights and weight carts that are determined to have a mass correction such that: |Correction| > (Tolerance - Uncertainty) are considered to have failed to meet the applicable tolerance. It is the decision rule of the Wisconsin State laboratory that all calibrated weights and weight carts that are determined to have a mass correction such that: |Correction| > (0.95*Tolerance - Uncertainty) will be adjusted to be closer to zero mass correction, even if the mass correction of the weights and weight carts originally met the applicable tolerance. Customers may request exceptions to this decision rule.

The following standard(s) were used: 1000 lb: 392



Paul Masterson

Paul Masterson, Lead Metrologist



Justin Lien, Laboratory Director

3601 Galleon Run • Madison, WI 53718 • (608) 224-4910

State of Wisconsin
Governor Tony Evers

**Department of Agriculture, Trade and Consumer Protection**
Secretary Randy Romanski

Wisconsin Weights and Measures Laboratory

# *Calibration Certificate*

Date Received: January 09, 2025
Date of Calibration: January 09, 2025
Date Issued: January 13, 2025

State Test No.: W25-006
Item(s) Submitted: Cast Weight
Manufacturer: Various
Condition: Good, Acceptable for Calibration
Tolerance Class: NIST HB 105-1 (1990), Class F

Customer: HAWKEYE STATE SCALE, INC.
Address: 1357 HWY 965 NW
SWISHER, IA 52338
Contact: ANTHONY KRUSE
Phone: (563) 554-1406

Balance ID#: 10
Procedure Used: NISTIR 6969 (2019), SOP 8
Temperature: 20.7 °C
Relative Humidity: 42.0 %
Pressure: 739.5 mmHg

| Nominal Mass | Mass Unit | Serial No. | Conventional Mass Correction (mg) | | NIST HB 105-1 (1990), Class F | | Uncertainty (mg) | Coverage Factor ( *k* ) |
|---|---|---|---|---|---|---|---|---|
| | | | As Found | As Left | As Found | As Left | | |
| 1000 | lb | 2-19 | -29,000 | -29,000 | Pass | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-12 | -39,800 | 20,600 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-11 | -57,300 | 22,100 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-17 | -96,200 | 18,500 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-20 | -132,800 | 19,000 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-18 | -76,100 | 19,700 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-8 | -58,000 | 20,100 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-3 | -33,800 | -33,800 | Pass | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-4 | -39,800 | 17,700 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-2 | -54,800 | 24,100 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-10 | -53,500 | 17,800 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-1 | -32,500 | -32,500 | Pass | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-6 | -45,400 | 15,800 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-5 | -54,800 | 16,200 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-9 | -41,600 | 18,500 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-16 | -65,800 | -1,400 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-14 | -71,700 | 16,200 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-13 | -70,900 | 15,000 | *Fail* | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-15 | -21,100 | -21,100 | Pass | Pass | 5,900 | 2.00 |
| 1000 | lb | 2-7 | -33,500 | -33,500 | Pass | Pass | 5,900 | 2.00 |

The following standard(s) were used: 1000 lb: 392



Paul Masterson

Paul Masterson, Lead Metrologist



Justin Lien, Laboratory Director

3601 Galleon Run • Madison, WI 53718 • (608) 224-4910

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903A
**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593
**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2E5
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. **This document and all data within, shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems.**

Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf

**26 Jan 2026**
Issued Date:

A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903A
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.15 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 43 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density ($g/cm^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density ($mg/cm^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2E5 | 1000.021 | 9608 | 1000.005 | 2047 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903B
**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593
**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2E6
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. 

Austin Anderson
Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

ilac-MRA

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf



**26 Jan 2026**
Issued Date:

ilac-MRA
A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903B
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.15 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 43 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (k=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density (g/cm$^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density (mg/cm$^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2E6 | 1000.032 | 14609 | 1000.016 | 7047 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903C
**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593
**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2E7
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. **This document and all data within, shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems.**

Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf



**26 Jan 2026**
Issued Date:

A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903C
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.15 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 43 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density (g/cm$^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density (mg/cm$^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2E7 | 1000.032 | 14609 | 1000.016 | 7047 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903D
**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593
**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2E8
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
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| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

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Austin Anderson
Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf



**26 Jan 2026**
Issued Date:

A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903D
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.15 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 43 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density ($g/cm^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density ($mg/cm^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2E8 | 1000.036 | 16109 | 1000.019 | 8548 | .8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903E
**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593
**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2E9
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. 

Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

Prepared By:
**Rice Lake Weighing Systems**®●PN 64764●6/25
230 West Coleman Street●Rice Lake, WI 54868●USA
TEL: 715-234-9171●FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf

**26 Jan 2026**
Issued Date:

A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903E
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.15 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 43 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density (g/cm$^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density (mg/cm$^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2E9 | 1000.024 | 11108 | 1000.008 | 3547 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903F
**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593
**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2EA
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | ★★Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. **This document and all data within, shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems.**

Austin Anderson, Lab Technician

NVLAP CALIBRATION NVLAP LAB CODE 105001-0

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf



**26 Jan 2026**
Issued Date:

A2LA ACCREDITED Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903F
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.13 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 44 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density ($g/cm^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density ($mg/cm^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2EA | 1000.033 | 15109 | 1000.017 | 7547 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903G

**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593

**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22

If there are two NIST numbers, one or both may apply

**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2EB
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. 

Austin Anderson
Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

ilac-MRA

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf

**26 Jan 2026**
Issued Date:

ilac-MRA
A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903G
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.13 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 44 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density (g/cm$^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density (mg/cm$^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2EB | 1000.028 | 12608 | 1000.011 | 5047 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903H

**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593

**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2EC
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | ★★Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. 

Austin Anderson
Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

ilac-MRA

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf

**26 Jan 2026**
Issued Date:

ilac-MRA
A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903H
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.13 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 44 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (k=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density (g/cm$^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density (mg/cm$^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2EC | 1000.017 | 7607 | 1000.000 | 46 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903I

**Contractor:**
HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593

**Client:**
HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2ED
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | ★★Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. 

Austin Anderson, Lab Technician

NVLAP CALIBRATION
NVLAP LAB CODE 105001-0

Prepared By:
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230 West Coleman Street ● Rice Lake, WI 54868 ● USA
TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf

**26 Jan 2026**
Issued Date:

A2LA ACCREDITED
Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903I
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.13 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 44 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density (g/cm$^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density (mg/cm$^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1000 lb | C2ED | 1000.027 | 12108 | 1000.010 | 4547 | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903J
**Contractor:** HAWKEYE STATE SCALE
1357 HWY 965 NW
SWISHER, IA 52338

**Purchase Order Number:** 11593
**Client:** HAWKEYE STATE SCALE
1357 HWY 965 NW
info@hawkeyestatescale.com
SWISHER, IA 52338

**Date Received:** 23 Dec 2025
**Date Calibrated:** 26 Jan 2026
**Recalibration Date:** No Recall Requested
**NIST Certificate Number:** 684/O-0000046697 & 684/O-0000035150-22
If there are two NIST numbers, one or both may apply
**Calibrated By:** 28
**Procedure:** WI05-0023 Rev. L
**Condition of Weights:** New
**Description of Weights:** 1000 lb Cast Iron Heavy Capacity Weight, ASTM Class 6, S/N C2EE
**Comments:**

## Key Notes

| | |
|---|---|
| Finish | Indicates the weight does not meet the finish requirements |
| Material | Indicates the weight does not meet the material requirements |
| New Wt | Indicates new weight |
| Missing Wt | Indicates replaced missing weight with new weight |
| Damaged Wt | Indicates replaced damaged weight |
| Replaced OOT | Indicates replaced out of tolerance weight |
| OOT | Indicates correction plus or minus Uncertainty greater than or equal to MPE |
| Magnetic Wt | Indicates replaced magnetic weight |
| Design | Indicates the weight does not meet the design or shape requirements |
| Repainted | Indicates the weight was repainted after As Found obtained |
| Other | See comments above |

## Cleaning Levels

| | |
|---|---|
| A | Dusted with brush or cloth |
| B | Spot cleaned with ethyl alcohol |
| C | Full surface cleaned with ethyl alcohol |
| D | Spot cleaned with non-alcohol solvent followed by ethyl alcohol |
| E | Full surface cleaned with non-alcohol solvent followed by ethyl alcohol |
| F | No cleaning performed |

## Material Abbreviations

| | | | |
|---|---|---|---|
| AL | Aluminum | TA | Tantalum |
| SS | Stainless Steel | BR | Brass |
| CI | Cast Iron | PL | Platinum |
| IR | Iron | NS | Nickel Silver |
| MS | Mild Steel | OR | Other/Unknown |

Check with your local state agency for certification of compliance on Legal-for-Trade items. The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. Results relate only to weights calibrated. The Surface Finishes of weights are evaluated visually. Weights are screened for magnetism using work instruction WI05-0035 when they are new, when requested by the customer or when weights are suspected of not meeting specifications. Density if measured is measured using OIML R111-1 (2004) method A2. Conventional Mass is reported based on a reference density of 8.0 g/cm$^3$. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (2019), NIST Handbook 105-1 (1990), ASTM E617-23 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and the Guide to the expression of uncertainty in measurement, with coverage factor ($k$=2), to express the expanded uncertainty with an approximate 95.45% confidence level. This report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST, A2LA, or any government agency. 

Austin Anderson
Austin Anderson, Lab Technician

NVLAP CALIBRATION NVLAP LAB CODE 105001-0

Prepared By:
**Rice Lake Weighing Systems®** ● PN 64784 ● 6/25
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TEL: 715-234-9171 ● FAX: 715-234-6967
Definitions: http://certs.ricelake.com/certs/0354_Term_Cert_Weight_Cal_Rev1.pdf



**26 Jan 2026**
Issued Date:

ACCREDITED Certificate #4363.01

# RICE LAKE Certificate of Weight Calibration

ISO/IEC 17025:2017 & ANSI/NCSL-Z540-1-1994 ACCREDITED

**Traceable Certificate Number:** 3996903J
**Client:** HAWKEYE STATE SCALE
**Date Calibrated:** 26 Jan 2026

**Temperature Range:** 20.13 °C
**Pressure Range:** 727.69 mmHg
**Relative Humidity Range:** 44 %

**As Left Data (As Found Data is undifferentiated from As Left Data unless listed in As Found Data table)**

| Nominal Value | Unique ID | True Mass (Same UOM as Nom.) | True Mass Corr. (mg) | Conv. Mass (Same UOM as Nom.) | Conv. Mass Corr. (mg) | (*k*=2) Unc. (± mg) | MPE (± mg) | MPE Pass (Y=Pass N=Fail) | Assumed Density (g/cm$^3$) | Assumed Material | Const. Type | Balance Used | Reference Standard Set Used | Air Density (mg/cm$^3$) | Clean Level |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1000 lb** | **C2EE** | 1000.032 | 14609 | **1000.016** | **7047** | 8500 | 45000 | Y | 7.20 | CI | II | 851Q | 1095Q | 1.1482 | A |