

**Office of Weights and Measures**

**Metrology Laboratory**

Office: 118 West Capitol Avenue, Pierre, SD 57501

Lab: 1100 Otter Rd, Bldg D, Sturgis, SD 57785

Lab: 605-347-7541, Office: 605-773-3697, Cell: 605-280-4572

Email: ron.peterson@state.sd.us    <https://dps.sd.gov/inspections/weights-measures>

## CALIBRATION CERTIFICATE

**Capital Scale (Wanda)**

**Certificate number:** M26023

**Physical Address:**

3021 Valley Forge St  
Bismarck, ND 58503

**Billing Address:**

3021 Valley Forge St  
Bismarck, ND 58503

**Contact:** Travis Will

**Phone:** 701-255-1556

**Received Date:** 08/25/2025

**Certificate Issued:** 08/26/2025

### Artifacts Submitted and Summary of Results:

Quantity	Artifact	Total Pieces	Recvd in Tol	Adjusted	Rejected	As Left In Tolerance
2	2000 lb Weight Carts	2	2	1	0	2
16	1000 lb Weights	16	16	0	0	16
20	50 lb weights	20	19	2	0	20
1	Avoirdupois kit	20	20	0	0	20
1	Metric kit	14	14	0	0	14

**Uncertainty Statement:** The combined standard uncertainty includes the standard uncertainty reported for the standard and the standard uncertainty for the measurement process. The combined standard uncertainty is multiplied by a coverage factor  $k$  to provide an expanded uncertainty which defines an interval having a level of confidence of approximately 95 percent. The expanded uncertainty presented in this report is consistent with the 2008 ISO/IEC Guide to the Expression of Uncertainty in Measurement. The expanded uncertainty is not to be confused with a tolerance limit for the user during application. For weight carts, factors included on the inspection checklist have not been included in the calibration uncertainty. However, factors on the checklist may contribute measurement errors that are significant if not properly maintained during use.

**Conformity Statement:**

The artifacts submitted for this calibration are calibrated to NIST Handbook 105-1 (1990 or 2019), NIST Handbook 105-8 (2019), NIST Handbook 105-3 (2010), or ASTM E617 (2023), Standard Specification for Laboratory Weights and Precision Mass Standards specifications. The reported test values relate only to the observations made at the time and conditions of the test. Artifacts fully comply with all requirements (both specifications and tolerances) of the applicable documentary standard unless otherwise stated. Stated expanded uncertainties are less than one-third of the specified tolerances (maximum permissible errors, m.p.e.) for mass calibrations and less than the specified tolerances for volume calibrations. The correction value plus or minus the expanded uncertainty is within the stated tolerances. It is the decision rule of the SD State Metrology Laboratory that any cast weights determined to have a correction within 66 % of the upper tolerance or 50 % of the lower tolerance will be adjusted closer to zero mass correction, even if the mass correction originally met the applicable tolerance. SD Metrology laboratory uses an assumed density provided by the customer or weight manufacturer which could affect measurement results.

**Traceability Statement:**

The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory certificate number identified above is the unique report number to be used in referencing measurement traceability for artifacts identified in this report only.





Ron E Peterson, Metrologist

08/26/2025

Wade Robbins, Reviewer

08/26/2025



NVLAP LAB CODE 600384-0

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South Dakota Department of Public Safety  
Office of Weights and Measures  
Metrology Lab  
Lab: 1100 Otter Rd, Bldg D Sturgis, SD 57785 Phone: 605-347-7541  
Office: 118 West Capitol Avenue Pierre, SD 57501 Phone: 605-773-3697



## CALIBRATION CERTIFICATE

Calibrated for: **Capital Scale (Wanda)**  
Calibration Date: **08/26/2025**

Certificate Number: **M26023**

### Environmental conditions at time of test:

Temperature: 21.5 °C      Humidity: 51.2 %      Pressure: 672.4 mmhg

Test method used: SOP 33 Calibrations of Weight Carts, May 2019

Test equipment used: Recently calibrated weights and a Sartorius Loadcell PR6246/33 C6 with X4 Process controller .  
Vaisala PT301

Condition of Carts: Used but in good condition

Manufacturer: Unk

SN: 2016-1

Nominal (lb)	AS Found (lb)	As Found (g)	As Left (lb)	As Left (g)	Uncertainty (lb)	k	Tolerance (lb)	Condition as Left
2000	0.03	11	0.03	11	0.11	2.01	0.70	In-Tolerance

### Notes:

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory.

The above weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted if needed and as noted above to as close as practical to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require recalibration of the weight cart prior to subsequent use.

### Conformity Assessment:

The weight cart identified on this calibration certificate complies with NIST Handbook 105-8, 2019 specifications and tolerances. Additional details regarding the assessment are included in the associated checklist that is an integral part of this calibration certificate. The weight cart was found (or adjusted) to within the specified tolerances.

The above weight cart was compared with standards of the State of South Dakota, which are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST) and have current calibration values. The assigned certificate number provides documented evidence for measurement traceability.

Ron E Peterson, Metrologist  
Ver 20250114

08/26/2025

Wade Robbins, Reviewer

08/26/2025



South Dakota Department of Public Safety  
Office of Weights and Measures  
Metrology Lab  
Lab: 1100 Otter Rd, Bldg D Sturgis, SD 57785 Phone: 605-347-7541  
Office: 118 West Capitol Avenue Pierre, SD 57501 Phone: 605-773-3697



### Inspection Checklist for Weight Cart

Calibrated for: Capital Scale (Wanda)

Certificate number: M26023

Calibration Date: 08/27/2025

Manufacturer: **Unk** Date of Manufacture **2016**  
Model Number: **2000** ID/SN Number **2016-1**

<input checked="" type="checkbox"/>	Nominal Mass of Weight Cart	2000 lbs	Suitably marked: Yes/No	<b>Yes</b>
<input checked="" type="checkbox"/>	Powered by:	Electric/generator <input checked="" type="checkbox"/>	Diesel <input type="checkbox"/>	Gasoline <input type="checkbox"/>
<input checked="" type="checkbox"/>	Fluid Levels:	Engine Oil <input type="checkbox"/>		
		Hydraulic Fluid <input type="checkbox"/>		Sealed: Yes/No <input type="checkbox"/>
		Battery <input checked="" type="checkbox"/>		Sealed: Yes/No <b>Yes</b>
		Liquid Fuel <input type="checkbox"/>		Reference Line Present: Yes/No <input type="checkbox"/>
<input checked="" type="checkbox"/>	Fluid drain tubes extend beyond the body of the cart: Yes/No		<b>Yes</b>	
<input checked="" type="checkbox"/>	Number of axles:	<b>2</b>		
<input checked="" type="checkbox"/>	Number /Size of Tires	<b>15x5x11.25</b>		
<input checked="" type="checkbox"/>	Sealed wheel bearings: Yes/No	<b>Yes</b>		
<input checked="" type="checkbox"/>	Drain holes present in locations where water may accumulate: Yes/No		<b>Yes</b>	
<input checked="" type="checkbox"/>	Weight restraint railing permanently fixed and solid: Yes/No		<b>Yes</b>	
<input checked="" type="checkbox"/>	Adjusting cavity accessible: Yes/No	<b>Yes</b>		Approximate capacity:(lbs) <b>20</b>
<input checked="" type="checkbox"/>	Adjusting cavity sealed: Yes/No	<b>Yes</b>		
<input checked="" type="checkbox"/>	Service brakes functioning properly: Yes/No	<b>Yes</b>		
<input checked="" type="checkbox"/>	Parking brakes functioning properly: Yes/No	<b>Yes</b>		
<input type="checkbox"/>	Remote control functioning properly: Yes/No			

☒ General condition at time of calibration (note any accumulated dirt/debris, damage, loose parts, or evidence of tampering or unauthorized entry of seals).

☒ List and report any repair and maintenance performed, parts replaced, etc., Leaks repaired, new battery, carburetor, exhaust system, wheels changed, welding performed, etc. Include any comments or changes since the last calibration.

*Ron E Peterson*

*Wade Robbins*

Ron E Peterson, Metrologist

08/26/2025

Wade Robbins, Reviewer

08/26/2025

Ver

Ver 20250114



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## CALIBRATION CERTIFICATE

Calibrated for: **Capital Scale (Wanda)**  
Calibration Date: **08/26/2025**

Certificate Number: **M26023**

### Environmental conditions at time of test:

Temperature: 21.46 °C

Humidity: 51.21 %

Pressure: 672.38 mmhg

Test method used: SOP 33 Calibrations of Weight Carts, May 2019

Test equipment used: Recently calibrated weights and a Sartorius Loadcell PR6246/33 C6 with X4 Process controller .  
Vaisala PT301

Condition of Carts: Used but in good condition

Manufacturer: UNK

SN: 2016-2

Nominal (lb)	AS Found (lb)	As Found (g)	As Left (lb)	As Left (g)	Uncertainty (lb)	k	Tolerance (lb)	Condition as Left
2000	0.18	80	-0.13	-61	0.11	2.01	0.70	Adjusted

### Notes:

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory.

The above weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted if needed and as noted above to as close as practical to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require recalibration of the weight cart prior to subsequent use.

### Conformity Assessment:

The weight cart identified on this calibration certificate complies with NIST Handbook 105-8, 2019 specifications and tolerances. Additional details regarding the assessment are included in the associated checklist that is an integral part of this calibration certificate. The weight cart was found (or adjusted) to within the specified tolerances.

The above weight cart was compared with standards of the State of South Dakota, which are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST) and have current calibration values. The assigned certificate number provides documented evidence for measurement traceability.

Ron E Peterson, Metrologist  
Ver 20250114

08/26/2025

Wade Robbins, Reviewer

08/26/2025



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### Inspection Checklist for Weight Cart

Calibrated for: Capital Scale (Wanda) Certificate number: M26023  
Calibration Date: 08/27/2025

Manufacturer: UNK Date of Manufacture 2016  
Model Number: 2000 ID/SN Number 2016-2

✓	Nominal Mass of Weight Cart	2000 lbs	Suitably marked: Yes/No	Yes
✓	Powered by:	Electric/generator ✓	Diesel	
✓	Fluid Levels:	Engine Oil	Gasoline	
		Hydraulic Fluid	Sealed: Yes/No	
		Battery ✓	Sealed: Yes/No	Yes
		Liquid Fuel	Reference Line Present: Yes/No	
✓	Fluid drain tubes extend beyond the body of the cart: Yes/No		Yes	
✓	Number of axles:	2		
✓	Number /Size of Tires	15x5x11.25		
✓	Sealed wheel bearings: Yes/No	Yes		
✓	Drain holes present in locations where water may accumulate: Yes/No		Yes	
✓	Weight restraint railing permanently fixed and solid: Yes/No		Yes	
✓	Adjusting cavity accessible: Yes/No	Yes	Approximate capacity:(lbs)	20
✓	Adjusting cavity sealed: Yes/No	Yes		
✓	Service brakes functioning properly: Yes/No	Yes		
✓	Parking brakes functioning properly: Yes/No	Yes		
	Remote control functioning properly: Yes/No			

✓ General condition at time of calibration (note any accumulated dirt/debris, damage, loose parts, or evidence of tampering or unauthorized entry of seals).

✓ List and report any repair and maintenance performed, parts replaced, etc., Leaks repaired, new battery, carburetor, exhaust system, wheels changed, welding performed, etc. Include any comments or changes since the last calibration.

Ron E Peterson, Metrologist

08/26/2025

Wade Robbins, Reviewer

08/26/2025

Ver

Ver 20250114

# CALIBRATION CERTIFICATE

Calibrated for: Capital Scale (Wanda)

**Certificate number:** M26023

Calibration Date: 08/26/2025

**Environmental conditions at time of test:**

Temperature: 22.3 °C

Humidity: 51 %

Pressure: 673.3 mmhg

**Test method used:** SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

**Test equipment used:** Lab standards traceable to the SI, an XPE604KMC balance, and a Vaisala PTU301.

**Condition of Weights:** Cleaned and painted

**Artifact(s):** 16 1000 lb weights

[illegible]

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism or checked for density, and effects of magnetism or density are not included in the uncertainties.

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

**Ron E Peterson, Metrologist**

08/26/2025

Wade Robbins, Reviewer

08/26/2025







# CALIBRATION CERTIFICATE

Calibrated for:	Capital Scale (Wanda)
Calibration Date:	08/26/2025

**Certificate number:** M26023  
**Purchase Order Number:**

**Environmental conditions at time of test:**

Temperature: 21.28 °C      Humidity: 45.22 %      Pressure: 673.49 mmhg

Test method used: SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

**Test equipment used:** Lab standards traceable to the SI, XPR64003LD5C, XPR50035C, XPR226CDR, XPR36C, Vaisala PTU301

**Condition of Weights:** Suitable for use. No significant wear or damage

Artifact(s): 14 piece Metric Kit SN F308

[illegible]

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism or checked for density, and effects of magnetism or density are not included in the uncertainties.

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Ron E Peterson, Metrologist

08/26/2025

Wade Robbins, Reviewer

08/26/2025

**Office of Weights and Measures**

**Metrology Laboratory**

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Email: ron.peterson@state.sd.us <https://dps.sd.gov/inspections/weights-measures>

**CALIBRATION CERTIFICATE**

**Capital Scale (Shop)**

**Certificate number:** M26024

**Physical Address:**

3021 Valley Forge St

Bismarck, ND 58503

**Contact:** Travis Will

**Phone:** 701-255-1556

**Billing Address:**

3021 Valley Forge St

Bismarck, ND 58503

**Received Date:** 08/25/2025

**Certificate Issued:** 08/26/2025

**Artifacts Submitted and Summary of Results:**

Quantity	Artifact	Total Pieces	Recvd in Tol	Adjusted	Rejected	As Left In Tolerance
1	50 lb weight	1	0	1	0	1

**Uncertainty Statement:** The combined standard uncertainty includes the standard uncertainty reported for the standard and the standard uncertainty for the measurement process. The combined standard uncertainty is multiplied by a coverage factor  $k$  to provide an expanded uncertainty which defines an interval having a level of confidence of approximately 95 percent. The expanded uncertainty presented in this report is consistent with the 2008 ISO/IEC Guide to the Expression of Uncertainty in Measurement. The expanded uncertainty is not to be confused with a tolerance limit for the user during application. For weight carts, factors included on the inspection checklist have not been included in the calibration uncertainty. However, factors on the checklist may contribute measurement errors that are significant if not properly maintained during use.

**Conformity Statement:**

The artifacts submitted for this calibration are calibrated to NIST Handbook 105-1 (1990 or 2019), NIST Handbook 105-8 (2019), NIST Handbook 105-3 (2010), or ASTM E617 (2023), Standard Specification for Laboratory Weights and Precision Mass Standards specifications. The reported test values relate only to the observations made at the time and conditions of the test. Artifacts fully comply with all requirements (both specifications and tolerances) of the applicable documentary standard unless otherwise stated. Stated expanded uncertainties are less than one-third of the specified tolerances (maximum permissible errors, m.p.e.) for mass calibrations and less than the specified tolerances for volume calibrations. The correction value plus or minus the expanded uncertainty is within the stated tolerances. It is the decision rule of the SD State Metrology Laboratory that any cast weights determined to have a correction within 66 % of the upper tolerance or 50 % of the lower tolerance will be adjusted closer to zero mass correction, even if the mass correction originally met the applicable tolerance.. SD Metrology laboratory uses an assumed density provided by the customer or weight manufacturer which could affect measurement results.

**Traceability Statement:**

The Standards of the SD Metrology Laboratory used for comparison are traceable to the International System of Units (SI) through the National Institute of Standards and Technology. The laboratory certificate number identified above is the unique report number to be used in referencing measurement traceability for artifacts identified in this report only.



Ron E Peterson, Metrologist

08/26/2025



Wade Robbins, Reviewer

08/26/2025



NVLAP LAB CODE 600384-0

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# CALIBRATION CERTIFICATE

Calibrated for: Capital Scale (Shop)  
Calibration Date: 08/26/2025

**Certificate number:** M26024  
**Purchase Order Number:**

**Environmental conditions at time of test:**

Temperature: 22.93 °C      Humidity: 48.05 %      Pressure: 673.49 mmhg

Test method used: SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

**Test equipment used:** Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301

**Condition of Weights:** Suitable for use. No significant wear or damage

Artifact(s): 1 50 lb weights

[illegible]

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism or checked for density, and effects of magnetism or density are not included in the uncertainties.

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Ron E Peterson, Metrologist

08/26/2025

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Wade Robbins, Reviewer

08/26/2025

**Office of Weights and Measures**

**Metrology Laboratory**

Office: 118 West Capitol Avenue, Pierre, SD 57501

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Email: ron.peterson@state.sd.us <https://dps.sd.gov/inspections/weights-measures>

**CALIBRATION CERTIFICATE**

**Capital Scale Systems**

**SA# 61**

**Certificate number: M26066**

**Physical Address:**

**Billing Address:**

3021 Valley Forge Dr.

3021 Valley Forge Dr.

Bismark, ND 58503

Bismark, ND 58503

**Contact:** Travis Will

**Received Date:** 01/14/2026

**Phone:** 701-255-1556

**Certificate Issued:** 01/15/2026

**Artifacts Submitted and Summary of Results:**

Quantity	Artifact	Total Pieces	Recvd in Tol	Adjusted	Rejected	As Left In Tolerance
2	4000 lb Weight Carts	2	0	2	0	2
20	1000 lb Weights	20	20	3	0	20
76	50 lb Weights	75	53	45	1	75
6	Cast Weights	6	5	3	0	6
24	1 lb Weights	24	20	0	4	20
3	Avoirdupois kits	50	50	0	0	50
2	Metric Kits	31	31	0	0	31

**Uncertainty Statement:** The combined standard uncertainty includes the standard uncertainty reported for the standard and the standard uncertainty for the measurement process. The combined standard uncertainty is multiplied by a coverage factor  $k$  to provide an expanded uncertainty which defines an interval having a level of confidence of approximately 95 percent. The expanded uncertainty presented in this report is consistent with the 2008 ISO/IEC Guide to the Expression of Uncertainty in Measurement. The expanded uncertainty is not to be confused with a tolerance limit for the user during application. For weight carts, factors included on the inspection checklist have not been included in the calibration uncertainty. However, factors on the checklist may contribute measurement errors that are significant if not properly maintained during use.

**Conformity Statement:**

The artifacts submitted for this calibration are calibrated to NIST Handbook 105-1 (1990 or 2019), NIST Handbook 105-8 (2019), NIST Handbook 105-3 (2010), or ASTM E617 (2023), Standard Specification for Laboratory Weights and Precision Mass Standards specifications. The reported test values relate only to the observations made at the time and conditions of the test. Artifacts fully comply with all requirements (both specifications and tolerances) of the applicable documentary standard unless otherwise stated. Stated expanded uncertainties are less than one-third of the specified tolerances (maximum permissible errors, m.p.e.) for mass calibrations and less than the specified tolerances for volume calibrations. The correction value plus or minus the expanded uncertainty is within the stated tolerances. It is the decision rule of the SD State Metrology Laboratory that any cast weights determined to have a correction within 66 % of the upper tolerance or 50 % of the lower tolerance will be adjusted closer to zero mass correction, even if the mass correction originally met the applicable tolerance.. SD Metrology laboratory uses an assumed density provided by the customer or weight manufacturer which could affect measurement results.

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Ron E Peterson, Metrologist

01/15/2026



Wade Robbins, Reviewer

01/15/2026



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Lab: 1100 Otter Rd, Bldg D Sturgis, SD 57785 Phone: 605-347-7541  
Office: 118 West Capitol Avenue Pierre, SD 57501 Phone: 605-773-3697



## CALIBRATION CERTIFICATE

Calibrated for: **Capital Scale Systems**

Certificate Number: **M26066**

Calibration Date: **01/15/2026**

### Environmental conditions at time of test:

Temperature: 21.12 °C

Humidity: 44.57 %

Pressure: 664.79 mmHg

Test method used: SOP 33 Calibrations of Weight Carts, May 2019

Test equipment used: Recently calibrated weights and a Mettler SLS510 Load Cell with IND570 Indicator.

Vaisala PT301

Condition of Carts: Used but in good condition

Manufacturer: Unk

SN: Unk

Nominal (lb)	AS Found (lb)	As Found (g)	As Left (lb)	As Left (g)	Uncertainty (lb)	k	Tolerance (lb)	Condition as Left
2000	0.90	408	-0.02	-9	0.11	2.01	0.70	Adjusted

### Notes:

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory.

The above weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted if needed and as noted above to as close as practical to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require recalibration of the weight cart prior to subsequent use.

#### Conformity Assessment:

The weight cart identified on this calibration certificate complies with NIST Handbook 105-8, 2019 specifications and tolerances. Additional details regarding the assessment are included in the associated checklist that is an integral part of this calibration certificate. The weight cart was found (or adjusted) to within the specified tolerances.

The above weight cart was compared with standards of the State of South Dakota, which are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST) and have current calibration values. The assigned certificate number provides documented evidence for measurement traceability.

Ron E Peterson, Metrologist

01/15/2026

Wade Robbins, Reviewer

01/15/2026

Ver 20260109



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Office of Weights and Measures  
Metrology Lab  
Lab: 1100 Otter Rd, Bldg D Sturgis, SD 57785 Phone: 605-347-7541  
Office: 118 West Capitol Avenue Pierre, SD 57501 Phone: 605-773-3697



### Inspection Checklist for Weight Cart

Calibrated for: Capital Scale Systems  
Calibration Date: 01/15/2026



Certificate number: M26066

Manufacturer:  Date of Manufacture:   
Model Number:  ID/SN Number:

<input checked="" type="checkbox"/>	Nominal Mass of Weight Cart	2000 lbs	Suitably marked: Yes/No	<input type="text" value="Yes"/>
<input checked="" type="checkbox"/>	Powered by:	Electric/generator <input checked="" type="checkbox"/>	Diesel <input type="text"/>	Gasoline <input type="text"/>
<input checked="" type="checkbox"/>	Fluid Levels:	Engine Oil <input type="text"/>		
		Hydraulic Fluid <input type="text"/>	Sealed: Yes/No	<input type="text" value="Yes"/>
		Battery <input checked="" type="checkbox"/>	Sealed: Yes/No	<input type="text" value="Yes"/>
		Liquid Fuel <input type="text"/>	Reference Line Present: Yes/No	<input type="text" value="Yes"/>
<input checked="" type="checkbox"/>	Fluid drain tubes extend beyond the body of the cart: Yes/No		<input type="text" value="Yes"/>	
<input checked="" type="checkbox"/>	Number of axles:	<input type="text" value="2"/>		
<input checked="" type="checkbox"/>	Number /Size of Tires	<input type="text" value="16.25x5x11"/>		
<input checked="" type="checkbox"/>	Sealed wheel bearings: Yes/No	<input type="text" value="Yes"/>		
<input checked="" type="checkbox"/>	Drain holes present in locations where water may accumulate: Yes/No		<input type="text" value="Yes"/>	
<input checked="" type="checkbox"/>	Weight restraint railing permanently fixed and solid: Yes/No		<input type="text" value="Yes"/>	
<input checked="" type="checkbox"/>	Adjusting cavity accessible: Yes/No	<input type="text" value="Yes"/>	Approximate capacity:(lbs)	<input type="text" value="25"/>
<input checked="" type="checkbox"/>	Adjusting cavity sealed: Yes/No	<input type="text" value="Yes"/>		
<input checked="" type="checkbox"/>	Service brakes functioning properly: Yes/No	<input type="text" value="Yes"/>		
<input checked="" type="checkbox"/>	Parking brakes functioning properly: Yes/No	<input type="text" value="Yes"/>		
<input type="checkbox"/>	Remote control functioning properly: Yes/No	<input type="text"/>		

☒ General condition at time of calibration (note any accumulated dirt/debris, damage, loose parts, or evidence of tampering or unauthorized entry of seals).

☒ List and report any repair and maintenance performed, parts replaced, etc., Leaks repaired, new battery, carburetor, exhaust system, wheels changed, welding performed, etc. Include any comments or changes since the last calibration.

 Ron E Peterson, Metrologist  
Ver 20260109  
01/15/2026  
 Wade Robbins, Reviewer  
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Office: 118 West Capitol Avenue Pierre, SD 57501 Phone: 605-773-3697



## CALIBRATION CERTIFICATE

Calibrated for: **Capital Scale Systems**

Certificate Number: **M26066**

Calibration Date: **01/15/2026**

### Environmental conditions at time of test:

Temperature: 21.12 °C

Humidity: 44.57 %

Pressure: 664.79 mmHg

Test method used: SOP 33 Calibrations of Weight Carts, May 2019

Test equipment used: Recently calibrated weights and a Mettler SLS510 Load Cell with IND570 Indicator.

Vaisala PT301

Condition of Carts: Used but in good condition

Manufacturer: Unk

SN:

541094

Nominal (lb)	AS Found (lb)	As Found (g)	As Left (lb)	As Left (g)	Uncertainty (lb)	k	Tolerance (lb)	Condition as Left
2000	-0.89	-406	-0.04	-17	0.11	2.01	0.70	Adjusted

### Notes:

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory.

The above weight cart was allowed to come to environmental equilibrium in the laboratory prior to calibration. The weight cart was adjusted if needed and as noted above to as close as practical to zero error. All fluid levels must be maintained as close to reference levels as possible during use. Any maintenance, repairs or damage to weight cart or its components will likely result in an out-of-tolerance condition; therefore, maintenance or replacement of components such as batteries, tires, filters, etc. will require recalibration of the weight cart prior to subsequent use.

#### Conformity Assessment:

The weight cart identified on this calibration certificate complies with NIST Handbook 105-8, 2019 specifications and tolerances. Additional details regarding the assessment are included in the associated checklist that is an integral part of this calibration certificate. The weight cart was found (or adjusted) to within the specified tolerances.

The above weight cart was compared with standards of the State of South Dakota, which are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST) and have current calibration values. The assigned certificate number provides documented evidence for measurement traceability.

Ron E Peterson, Metrologist

01/15/2026

Wade Robbins, Reviewer

01/15/2026

Ver 20260109



South Dakota Department of Public Safety  
Office of Weights and Measures  
Metrology Lab  
Lab: 1100 Otter Rd, Bldg D Sturgis, SD 57785 Phone: 605-347-7541  
Office: 118 West Capitol Avenue Pierre, SD 57501 Phone: 605-773-3697



### Inspection Checklist for Weight Cart

Calibrated for: Capital Scale Systems Certificate number: M26066  
Calibration Date: 01/15/2026

Manufacturer: Unk Date of Manufacture Unk  
Model Number: Unk ID/SN Number 541094

✓	Nominal Mass of Weight Cart	2000 lbs	Suitably marked: Yes/No	Yes
✓	Powered by:	Electric/generator	Diesel	Gasoline
✓	Fluid Levels:	Engine Oil		
		Hydraulic Fluid		Sealed: Yes/No
		Battery		Sealed: Yes/No
		Liquid Fuel		Reference Line Present: Yes/No
✓	Fluid drain tubes extend beyond the body of the cart: Yes/No		Yes	
✓	Number of axles:	2		
✓	Number /Size of Tires	16.25x5x11		
✓	Sealed wheel bearings: Yes/No	Yes		
✓	Drain holes present in locations where water may accumulate: Yes/No		Yes	
✓	Weight restraint railing permanently fixed and solid: Yes/No		Yes	
✓	Adjusting cavity accessible: Yes/No	Yes	Approximate capacity:(lbs)	25
✓	Adjusting cavity sealed: Yes/No	Yes		
✓	Service brakes functioning properly: Yes/No	Yes		
✓	Parking brakes functioning properly: Yes/No	Yes		
	Remote control functioning properly: Yes/No			

✓ General condition at time of calibration (note any accumulated dirt/debris, damage, loose parts, or evidence of tampering or unauthorized entry of seals).

✓ List and report any repair and maintenance performed, parts replaced, etc., Leaks repaired, new battery, carburetor, exhaust system, wheels changed, welding performed, etc. Include any comments or changes since the last calibration.

*Ron E Peterson*

Ron E Peterson, Metrologist

Ver

Ver 20260109

01/15/2026

*Wade Robbins*

Wade Robbins, Reviewer

01/15/2026





South Dakota Department of Public Safety  
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## CALIBRATION CERTIFICATE

Calibrated for: Capital Scale Systems

Certificate number: M26066

Calibration Date: 01/15/2026

Purchase Order Number:

Environmental conditions at time of test:

Temperature: 20.7 °C

Humidity: 45.8 %

Pressure: 666 mmHg

Test method used: SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

Test equipment used: Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301

Condition of Weights: Cleaned and painted

Artifact(s): 28 50 lb weights

Nominal	SN/ID	Correction as Found mg	Correction as Left mg	NIST Class F Tolerance (mg)	Uncertainty mg	k	Condition As Left
50 lb	2	-2318	-18	2300	200	2.02	Adjusted
50 lb	3	-1363	-3	2300	200	2.02	Adjusted
50 lb	4	-28	-28	2300	200	2.02	In-Tolerance
50 lb	6	-118	-118	2300	200	2.02	In-Tolerance
50 lb	7	-743	-743	2300	200	2.02	In-Tolerance
50 lb	8	-1698	27	2300	200	2.02	Adjusted
50 lb	9	-2068	2	2300	200	2.02	Adjusted
50 lb	10	-2658	-3	2300	200	2.02	Adjusted
50 lb	13	-8	-8	2300	200	2.02	In-Tolerance
50 lb	15	-828	-828	2300	200	2.02	In-Tolerance
50 lb	16	-3003	27	2300	200	2.02	Adjusted
50 lb	18	-963	-963	2300	200	2.02	In-Tolerance
50 lb	19	-1193	-18	2300	200	2.02	Adjusted
50 lb	21	1257	1257	2300	200	2.02	In-Tolerance
50 lb	22	1137	1137	2300	200	2.02	In-Tolerance
50 lb	23	-843	-843	2300	200	2.02	In-Tolerance
50 lb	26	1667	27	2300	200	2.02	Adjusted
50 lb	27	-1593	27	2300	200	2.02	Adjusted
50 lb	29	-2123	22	2300	200	2.02	Adjusted
50 lb	30	-1518	12	2300	200	2.02	Adjusted
50 lb	31	-943	-943	2300	200	2.02	In-Tolerance
50 lb	32	-2748	-8	2300	200	2.02	Adjusted
50 lb	33	-1038	-1038	2300	200	2.02	In-Tolerance
50 lb	34	-783	-783	2300	200	2.02	In-Tolerance
50 lb	34	-73	-73	2300	200	2.02	In-Tolerance
50 lb	35	-1808	-28	2300	200	2.02	Adjusted
50 lb	36	-1328	32	2300	200	2.02	Adjusted
50 lb	37	182	182	2300	200	2.02	In-Tolerance

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

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Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Ron E Peterson, Metrologist

01/15/2026

Wade Robbins, Reviewer

01/15/2026



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## CALIBRATION CERTIFICATE

Calibrated for: Capital Scale Systems

Certificate number: M26066

Calibration Date: 01/15/2026

Purchase Order Number:

Environmental conditions at time of test:

Temperature: 20.7 °C

Humidity: 45.8 %

Pressure: 666 mmhg

Test method used: SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

Test equipment used: Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301

Condition of Weights: Cleaned and painted

Artifact(s): 26 50 lb weights

Nominal	SN/ID	Correction as Found mg	Correction as Left mg	NIST Class F Tolerance (mg)	Uncertainty mg	k	Condition As Left
50 lb	40	-2238	-3	2300	200	2.02	Adjusted
50 lb	41	-1863	-3	2300	200	2.02	Adjusted
50 lb	42	-1763	12	2300	200	2.02	Adjusted
50 lb	43	-1968	-3	2300	200	2.02	Adjusted
50 lb	44	-2873	-18	2300	200	2.02	Adjusted
50 lb	45	-2508	7	2300	200	2.02	Adjusted
50 lb	46	-1718	-3	2300	200	2.02	Adjusted
50 lb	47	-2013	2	2300	200	2.02	Adjusted
50 lb	48	-2113	-18	2300	200	2.02	Adjusted
50 lb	49	-568	-568	2300	200	2.02	In-Tolerance
50 lb	50	-2973	17	2300	200	2.02	Adjusted
50 lb	50	-368	-368	2300	200	2.02	In-Tolerance
50 lb	51	-67538	2	2300	200	2.02	Adjusted
50 lb	52	-1363	47	2300	200	2.02	Adjusted
50 lb	53	-233	-233	2300	200	2.02	In-Tolerance
50 lb	54	-513	-513	2300	200	2.02	In-Tolerance
50 lb	55	-1933	-13	2300	200	2.02	Adjusted
50 lb	60	-1478	12	2300	200	2.02	Adjusted
50 lb	61	-1793	27	2300	200	2.02	Adjusted
50 lb	64	-593	-593	2300	200	2.02	In-Tolerance
50 lb	69	-473	-473	2300	200	2.02	In-Tolerance
50 lb	71	292	292	2300	200	2.02	In-Tolerance
50 lb	72	-213	-213	2300	200	2.02	In-Tolerance
50 lb	72	-103	-103	2300	200	2.02	In-Tolerance
50 lb	73	-718	-718	2300	200	2.02	In-Tolerance
50 lb	77	-53	-53	2300	200	2.02	In-Tolerance

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

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Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Ron E Peterson, Metrologist

01/15/2026

Wade Robbins, Reviewer

01/15/2026



South Dakota Department of Public Safety  
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## CALIBRATION CERTIFICATE

Calibrated for: Capital Scale Systems

Certificate number: M26066

Calibration Date: 01/15/2026

Purchase Order Number:

Environmental conditions at time of test:

Temperature: 20.7 °C

Humidity: 45.8 %

Pressure: 666 mmhg

Test method used: SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

Test equipment used: Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301

Condition of Weights: Cleaned and painted

Artifact(s):

22 50 lb weights

Nominal	SN/ID	Correction as Found mg	Correction as Left mg	NIST Class F Tolerance (mg)	Uncertainty mg	k	Condition As Left
50 lb	A	-1823	22	2300	200	2.02	Adjusted
50 lb	AAA	92	92	2300	200	2.02	In-Tolerance
50 lb	B	-1618	-3	2300	200	2.02	Adjusted
50 lb	C	-5758	-18	2300	200	2.02	Adjusted
50 lb	D	-2713	Reject	2300	200	2.02	Reject
50 lb	E	-1238	7	2300	200	2.02	Adjusted
50 lb	G	-1758	27	2300	200	2.02	Adjusted
50 lb	J	-1293	-8	2300	200	2.02	Adjusted
50 lb	L	-2038	-3	2300	200	2.02	Adjusted
50 lb	M	-1508	12	2300	200	2.02	Adjusted
50 lb	N	-1723	27	2300	200	2.02	Adjusted
50 lb	P	-518	-518	2300	200	2.02	In-Tolerance
50 lb	Q	-3493	17	2300	200	2.02	Adjusted
50 lb	R	-2263	32	2300	200	2.02	Adjusted
50 lb	R	-3633	22	2300	200	2.02	Adjusted
50 lb	S	-1193	-8	2300	200	2.02	Adjusted
50 lb	T	-998	-998	2300	200	2.02	In-Tolerance
50 lb	T	-2333	7	2300	200	2.02	Adjusted
50 lb	U	-373	-373	2300	200	2.02	In-Tolerance
50 lb	W	-3713	32	2300	200	2.02	Adjusted
50 lb	Y	-1003	-1003	2300	200	2.02	In-Tolerance
50 lb	Z	-1778	2	2300	200	2.02	Adjusted

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

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Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Ron E Peterson, Metrologist

01/15/2026

Wade Robbins, Reviewer

01/15/2026





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## CALIBRATION CERTIFICATE

Calibrated for: Capital Scale Systems  
Calibration Date: 01/15/2026

Certificate number: M26066  
Purchase Order Number:

Environmental conditions at time of test:

Temperature: 21.4 °C Humidity: 43.8 % Pressure: 666.3 mmhg

Test method used: SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

Test equipment used: Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301

Condition of Weights: Cleaned and painted

Artifact(s): 24 Avoirdupois Weight(s)

Nominal	SN/ID	Correction as Found mg	Correction as Left mg	NIST Class F Tolerance (mg)	Uncertainty mg	k	Condition As Left
1 lb	1	-56.6	-56.6	70	6.1	2.04	In-Tolerance
1 lb	2	-21.6	-21.6	70	6.1	2.04	In-Tolerance
1 lb	3	14.4	14.4	70	6.1	2.04	In-Tolerance
1 lb	4	-8.6	-8.6	70	6.1	2.04	In-Tolerance
1 lb	5	4.4	4.4	70	6.1	2.04	In-Tolerance
1 lb	6	-17.6	-17.6	70	6.1	2.04	In-Tolerance
1 lb	7	16.4	16.4	70	6.1	2.04	In-Tolerance
1 lb	8	12.4	12.4	70	6.1	2.04	In-Tolerance
1 lb	9	19.4	19.4	70	6.1	2.04	In-Tolerance
1 lb	10	14.4	14.4	70	6.1	2.04	In-Tolerance
1 lb	11	-119.6	-119.6	70	6.1	2.04	Rejected
1 lb	12	-55.6	-55.6	70	6.1	2.04	In-Tolerance
1 lb	13	-11.6	-11.6	70	6.1	2.04	In-Tolerance
1 lb	14	-85.6	-85.6	70	6.1	2.04	Rejected
1 lb	15	-1.6	-1.6	70	6.1	2.04	In-Tolerance
1 lb	16	12.4	12.4	70	6.1	2.04	In-Tolerance
1 lb	17	18.4	18.4	70	6.1	2.04	In-Tolerance
1 lb	18	-64.6	-64.6	70	6.1	2.04	Rejected
1 lb	19	0.4	0.4	70	6.1	2.04	In-Tolerance
1 lb	20	16.4	16.4	70	6.1	2.04	In-Tolerance
1 lb	21	0.4	0.4	70	6.1	2.04	In-Tolerance
1 lb	22	-164.6	-164.6	70	6.1	2.04	Rejected
1 lb	23	29.4	29.4	70	6.1	2.04	In-Tolerance
1 lb	24	-13.6	-13.6	70	6.1	2.04	In-Tolerance

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

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Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Ron E Peterson, Metrologist

01/15/2026

Wade Robbins, Reviewer

01/15/2026

# CALIBRATION CERTIFICATE

**Certificate number:** M26066  
**Purchase Order Number:**

**Environmental conditions at time of test:**

**Temperature:** 21.6 °C      **Humidity:** 44.4 %      **Pressure:** 666.2 mmhg

**Test method used:** SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

**Test equipment used:** Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301

**Condition of Weights:** Suitable for use. No significant wear or damage

Artifact(s): **20 piece Avoirdupois Kit** SN 010813A

[illegible]

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

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**Treatment of artifacts prior to testing:** Thermal equilibrium was obtained by placing the artifacts in the lab overnight

01/15/2026

## CALIBRATION CERTIFICATE

**Certificate number:** M26066

Purchase Order Number:

**Environmental conditions at time of test:**

Pressure: 666.2 mmhg

**Test method used:** SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019

**Test equipment used:** Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301

**Condition of Weights:** Suitable for use. No significant wear or damage

Artifact(s):

**21 piece Metric Kit**

**SN 11111A**

[illegible]

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service.

The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism or checked for density, and effects of magnetism or density are not included in the uncertainties.

**Treatment of artifacts prior to testing:** Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Wade Robbins

01/15/2026



Calibrated for:	Capital Scale Systems	Certificate number:	M26066
Calibration Date:	01/15/2026	Purchase Order Number:	
Environmental conditions at time of test:			

**Temperature:** 21.5 °C      **Humidity:** 45.6 %      **Pressure:** 666.6 mmhg  
**Test method used:** SOP 8 Medium Accuracy Calibrations of Mass Standards by Modified Substitution, May 2019  
**Test equipment used:** Lab standards traceable to the SI, XPR64003LD5C, XPR5003SC, XPR226CDR, XPR36C, Vaisala PTU301  
**Condition of Weights:** Suitable for use. No significant wear or damage

Artifact(s): **14 piece Metric Kit** SN 11905E

\* Adjusted artifacts are in tolerance. Rejected and Condemned artifacts were tagged and must be placed out of service. The values reported relate only to those observations made at the time and conditions of the test. This calibration certificate, so numbered, may not be reproduced, except in full, without approval of the laboratory. These weights were not screened for magnetism or checked for density, and effects of magnetism or density are not included in the uncertainties.

Treatment of artifacts prior to testing: Thermal equilibrium was obtained by placing the artifacts in the lab overnight

Wade Robbins

01/15/2026



