



Receipt Date: August 24, 2015
Test Date: August 25, 2015
Report Date: August 25, 2015

State Test No.: 334711
Set Serial No.: 11, 22
Barcode: 201219

Calibration Report

SPECIALTY PRODUCTS
1420 N 4TH ST
FARGO, ND 58102-2733

Contact: PHIL MCINTYRE
Phone: 701-235-2996
PO Number: NONE
SOP: 12
Technician ID: 11

Item(s) Submitted: 2-5000 lb Weight Carts
Manufacturer: Heinisch
ASTM E617 Type: NA
Equipment ID#: None
Condition: Good
Temperature: 20.3 °C
Pressure: 739.5 mmHg
Relative Humidity: 47. %

Nominal Value	Serial No.	Correction (g)		NIST HB105-8 Tol		Unc. (g) (k=2)
		As Found	As Left	As Found	As Left	
5000 lb	11	80	80	Meets	Meets	60.
5000 lb	22	110	110	Meets	Meets	60.

When used as a set these weight carts meet NIST HB 105-8 tolerances.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the SI through NIST. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Pete Whebbe

Metrologist

Reviewed by:

Heidi Jones

Laboratory Administrator



Receipt Date: August 24, 2015
Test Date: August 24, 2015
Report Date: August 25, 2015

State Test No.: 334710
Set Serial No.: 114, 119, 127, 128
Barcode: 201216

Calibration Report

SPECIALTY PRODUCTS
1420 N 4TH ST
FARGO, ND 58102-2733

Contact: PHIL MCINTYRE
Phone: 701-235-2996
PO Number: NONE
SOP: 12
Technician ID: 11

Item(s) Submitted: Cast Cube Weights
Manufacturer: Rice Lake
ASTM E617 Type: II
Equipment ID#: None
Condition: Good
Temperature: 19. °C
Pressure: 737.1 mmHg.
Relative Humidity: 43. %

Nominal Value	lb	Serial No.	Correction (g)		NIST HB105-1 Class		Unc. (g) (k=2)
			As Found	As Left	As Found	As Left	
2500	lb	114	80.	80.	F	F	6.
2500	lb	119	55.	55.	F	F	6.
2500	lb	127	109.	26.	*	F	6.
2500	lb	128	107.	82.	*	F	6.

* Weight(s) as found exceed NIST HB 105-1 Class F tolerance.

When used as a set these weights meet NIST HB 105-1 class F tolerances.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the SI through NIST. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Pete Whebbe
Pete J. Whebbe
Metrologist

Reviewed by:
Heidi Jones
Heidi Jones
Laboratory Administrator



Receipt Date: August 24, 2015
Test Date: August 24, 2015
Report Date: August 25, 2015

State Test No.: 334716
Set Serial No.: None
Barcode: 201217

Calibration Report

SPECIALTY PRODUCTS
1420 N 4TH ST
FARGO, ND 58102-2733

Contact: PHIL MCINTYRE
Phone: 701-235-2996
PO Number: NONE
SOP: 12
Technician ID: 11

Item(s) Submitted: Cast Cube Weights
Manufacturer: Howe
ASTM E617 Type: II
Equipment ID#: None
Condition: Good
Temperature: 19.5 °C
Pressure: 737.1 mmHg
Relative Humidity: 44. %

Nominal Value	Serial No.	Correction (g)		NIST HB105-1 Class		Unc. (g) (k=2)
		As Found	As Left	As Found	As Left	
500 lb		-23.2	0.7	*	F	1.1
500 lb		-20.9	-20.9	F	F	1.1
500 lb		7.3	7.3	F	F	1.1
500 lb		1.9	1.9	F	F	1.1

* Weight(s) as found exceed NIST HB 105-1 Class F tolerance.

When used as a set these weights meet NIST HB 105-1 class F tolerances.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the SI through NIST. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Pete Whebbe

Metrologist

Reviewed by:

Heidi Jones

Laboratory Administrator



Receipt Date: August 24, 2015
 Test Date: August 25, 2015
 Report Date: August 25, 2015

State Test No.: 334712
 Set Serial No.: None
 Barcode: 201218

Calibration Report

SPECIALTY PRODUCTS
 1420 N 4TH ST
 FARGO, ND 58102-2733

Contact: PHIL MCINTYRE
 Phone: 701-235-2996
 PO Number: NONE
 SOP: 12
 Technician ID: 11

Item(s) Submitted: Cast Hand Weights
 Manufacturer: Rice Lake
 ASTM E617 Type: II
 Equipment ID#: None
 Condition: Good
 Temperature: 20.2 °C
 Pressure: 740.1 mmHg
 Relative Humidity: 47. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
50 lb		-250.	-250.	F	F	110.
50 lb		160.	160.	F	F	110.
50 lb		260.	260.	F	F	110.

When used as a set these weights meet NIST HB 105-1 class F tolerances.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the SI through NIST. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Pete Whebbe

Pete Whebbe
 Metrologist

Reviewed by:

Heidi Jones

Heidi Jones
 Laboratory Administrator



Receipt Date: August 24, 2015
Test Date: August 25, 2015
Report Date: August 25, 2015

State Test No.: 334713
Set Serial No.: NONE
Barcode: 201208

Calibration Report

SPECIALTY PRODUCTS
1420 N 4TH ST
FARGO, ND 58102

Contact: PHIL MCINTYRE
Phone: 701-235-2996
PO Number: NONE
SOP: 12
Technician ID: 09

Item(s) Submitted: 30 lb kit w/ decimals
Manufacturer: Rice Lake
ASTM E617 Type: I & II
Equipment ID#: None
Condition: Good
Temperature: 19.9 °C
Pressure: 740.1 mmHg
Relative Humidity: 41. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
10 lb		169	169	F	F	15.
10 lb		148	148	F	F	15.
5 lb		71	71	F	F	10.
2 lb		49.2	49.2	F	F	6.
2 lb		45.8	45.8	F	F	6.
1 lb		25.8	25.8	F	F	6.
0.5 lb		8.9	8.9	F	F	6.
0.2 lb		12.74	12.74	F	F	0.07
0.2 lb		8.20	8.20	F	F	0.07
0.1 lb		3.51	3.51	F	F	0.07
0.05 lb		1.87	1.87	F	F	0.07
0.02 lb		1.02	1.02	F	F	0.07
0.02 lb		0.53	0.53	F	F	0.07
0.01 lb		0.62	0.62	F	F	0.07
0.005 lb		0.52	0.52	F	F	0.07
0.002 lb		0.24	0.24	F	F	0.07
0.002 lb		-0.16	-0.16	F	F	0.07
0.001 lb		0.15	0.15	F	F	0.07

When used as a set these weights meet NIST HB 105-1 class F tolerances.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the SI through NIST. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Heidi Jones
Heidi Jones
Laboratory Administrator

Reviewed by:
Pete Whebbe
Pete Whebbe
Metrologist



Receipt Date: August 24, 2015
Test Date: August 24, 2015
Report Date: August 25, 2015

State Test No.: 334714
Set Serial No.: None
Barcode: 201209

Calibration Report

SPECIALTY PRODUCTS
1420 N 4TH ST
FARGO, ND 58102

Contact: PHIL MCINTYRE
Phone: 701-235-2996
PO Number: NONE
SOP: 12
Technician ID: 09

Item(s) Submitted: Metric weight set
Manufacturer: Rice Lake
ASTM E617 Type: I & II
Equipment ID#: None
Condition: Good
Temperature: 20.2 °C
Pressure: 737.1 mmHg
Relative Humidity: 45. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
2000 g		41.2	41.2	F	F	10.
1000 g		29.9	29.9	F	F	6.
500 g		29.1	29.1	F	F	4.6
200 g		9.0	9.0	F	F	1.
200 g		7.9	7.9	F	F	1.
100 g		5.20	5.20	F	F	0.45
50 g		2.09	2.09	F	F	0.25
20 g		1.98	1.98	F	F	0.25
20 g		2.07	2.07	F	F	0.25
10 g		0.70	0.70	F	F	0.12
5 g		0.58	0.58	F	F	0.1
2 g		0.36	0.36	F	F	0.07
2 g		0.48	0.48	F	F	0.07
1 g		0.53	0.53	F	F	0.07

When used as a set these weights meet NIST HB 105-1 class F tolerances.

The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared to the Standards of the State of Minnesota which are currently in control. These standards are traceable to the SI through NIST. Calibration processes were monitored and found to be in control. Uncertainty calculations conform to NIST Technical Note 1297. Results apply to items identified in this report only.

Heidi Jones
Heidi Jones
Laboratory Administrator

Reviewed by:
Pete Whebbe
Pete Whebbe
Metrologist

United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

Minnesota

This laboratory has demonstrated evidence of an unbroken chain of metrological traceability of its standards to the international system of units (SI), documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, documented calibration intervals, submitted a quality management system, and demonstrated suitable measurement assurance for the Scope listed on this certificate.

The Office of Weights and Measures Program assesses laboratories to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories and ISO/IEC 17025:2005.

Scope

Mass Echelon II

50 kg to 1 mg
1000 lb to 0.001 lb
4 oz to 0.03125 oz

Mass Echelon III

50 kg to 1 mg
5000 lb to 0.001 lb
4 oz to 0.03125 oz

Weight Carts

10 000 lb to 2000 lb

Wheel Load Weighers

20 000 lb to 2000 lb

Railroad Test Cars

110 000 lb to 80 000 lb

Volume Gravimetric, I

20 L to 1 mL
100 gal to 0.25 qt

Volume Transfer, II

1500 gal to 5 gal
100 gal to 25 gal LPG



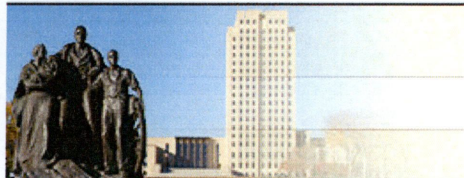
2015

A handwritten signature in blue ink, reading "Carol T. Hockert".

Carol T. Hockert, Chief
NIST Office of Weights and Measures

Effective Dates: 2015-01-01 to 2015-12-31

North Dakota

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SP SPECIALTY PRODUCTS, INC.

Corporation Details

System ID: 13122200 **Phone:** (701) 235-2996
Type: BUSINESS CORPORATION
Status: Active & Good Standing
Original File Date: 03/25/1998 **Effective Date:** 03/25/1998
State of Origin: North Dakota

Nature of Business

MANUFACTURE, SALES & INSTALLATION OF ELECTRICAL SCALES

Principal Office

1420 N 4TH ST FARGO, ND 58102-2733

Registered Agent

PHILLIP L MCINTYRE
 1420 N 4TH ST
 FARGO, ND 58102-2733
 Established Date: Mar 25, 1998

Authorized Shares

Class	Number	Par Value
	50000.000000	\$1.000000

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Bauske, Shelly A.

Note to File:

Per my conversation with Phil McIntyre on September 21, the Class II scale box was inadvertently checked on his application. He only tests Class III dockage scales.