

Receipt Date: October 27, 2015
 Test Date: October 27, 2015
 Report Date: October 27, 2015

State Test No.: 334998
 Set Serial No.: None
 Barcode: 200923

Calibration Report

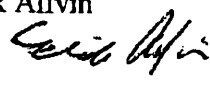
HOBART SALES & SERVICE
 18 SOUTH 14TH STREET
 FARGO, ND 58103-1620
 Contact: Jeff Doyle
 Phone: 701-237-5240
 PO Number: None
 SOP: 12
 Technician ID: 19

Item(s) Submitted: 50 lb, 25 lb Hand Weights
 Manufacturer: Rice Lake and Hobart
 ASTM E617 Type: II
 Equipment ID#: None
 Condition: Fair
 Temperature: 20.7 °C
 Pressure: 739.6 mmHg
 Relative Humidity: 40.8 %

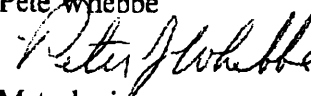
Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k = 2)
		As Found	As Left	As Found	As Left	
50 lb		300	300	F	F	110
50 lb		240	240	F	F	110
50 lb		-600	-600	F	F	110
50 lb		50	50	F	F	110
50 lb		1720	1720	F	F	110
25 lb		120	120	F	F	75
25 lb		130	130	F	F	75
25 lb		50	50	F	F	75
25 lb		130	130	F	F	75
25 lb		110	110	F	F	75
25 lb		-190	-190	F	F	75

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.

Erik Alfvén

 Metrologist

Page 1 of 1

Reviewed by:
 Pete Whebbe

 Metrologist

Receipt Date: October 27, 2015
Test Date: October 27, 2015
Report Date: October 27, 2015

State Test No.: 334997
Set Serial No.: None
Barcode: 200897

Calibration Report

HOBART SALES & SERVICE
18 SOUTH 14TH STREET
FARGO, ND 58103-1620
Contact: Jeff Doyle
Phone: 701-237-5240
PO Number: None
SOP: 12
Technician ID: 19

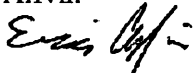
Item(s) Submitted: 10 lb to 0.001 lb Kit
Manufacturer: Rice Lake
ASTM E617 Type: I & II
Equipment ID#: None
Condition: Good
Temperature: 20.1 °C
Pressure: 740.1 mmHg
Relative Humidity: 42.8 %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k = 2)
		As Found	As Left	As Found	As Left	
10 lb		149	149	F	F	15
10 lb		132	132	F	F	15
5 lb		79	79	F	F	10.
2 lb		27.2	27.2	F	F	6.0
2 lb		31.3	31.3	F	F	6.0
1 lb		29.4	29.4	F	F	6.0
0.5 lb		16.0	16.0	F	F	6.0
0.2 lb		4.93	4.93	F	F	0.07
0.2 lb		5.01	5.01	F	F	0.07
0.1 lb		4.18	4.18	F	F	0.07
0.05 lb		1.93	1.93	F	F	0.07
0.02 lb		0.49	0.49	F	F	0.07
0.02 lb		0.58	0.58	F	F	0.07
0.01 lb		0.61	0.61	F	F	0.07
0.005 lb		0.23	0.23	F	F	0.07
0.002 lb		0.22	0.22	F	F	0.07
0.002 lb		0.54	0.54	F	F	0.07
0.001 lb		0.39	0.39	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.

Erik Alfvin



Metrologist

Page 1 of 1

Reviewed by:

Pete Whebbe



Metrologist

Receipt Date: October 27, 2015
Test Date: October 27, 2015
Report Date: October 27, 2015

State Test No.: 334996
Set Serial No.: 4760
Barcode: 019210

Calibration Report

HOBART SALES & SERVICE
18 SOUTH 14TH STREET
FARGO, ND 58103-1620
Contact: Jeff Doyle
Phone: 701-237-5240
PO Number: None
SOP: 12
Technician ID: 19

Item(s) Submitted: 5 lb to 0.001 lb Kit
Manufacturer: Troemner
ASTM E617 Type: I & II
Equipment ID#: None
Condition: Good
Temperature: 20.3 °C
Pressure: 740.5 mmHg
Relative Humidity: 42. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k = 2)
		As Found	As Left	As Found	As Left	
5 lb		186	186	F	F	10.
5 lb		181	181	F	F	10.
5 lb		168	168	F	F	10.
5 lb		82	82	F	F	10.
5 lb		190	190	F	F	10.
1 lb		36.0	36.0	F	F	6.0
1 lb		36.4	36.4	F	F	6.0
1 lb		34.2	34.2	F	F	6.0
1 lb		38.8	38.8	F	F	6.0
1 lb		46.8	46.8	F	F	6.0
8 oz		4.7	4.7	F	F	6.0
0.2 lb		4.71	4.71	F	F	0.07
0.2 lb		3.73	3.73	F	F	0.07
0.1 lb		7.26	7.26	F	F	0.07
0.05 lb		2.60	2.60	F	F	0.07
0.02 lb		0.84	0.84	F	F	0.07
0.02 lb		0.82	0.82	F	F	0.07
0.01 lb		0.64	0.64	F	F	0.07
0.005 lb		0.56	0.56	F	F	0.07
0.002 lb		0.56	0.56	F	F	0.07
0.001 lb		-0.48	-0.48	F	F	0.07

Continued,

Receipt Date: October 27, 2015
Test Date: October 27, 2015
Report Date: October 27, 2015

State Test No.: 334996
Set Serial No.: 4760
Barcode: 19210

Calibration Report

HOBART SALES & SERVICE
18 SOUTH 14TH STREET
FARGO, ND 58103-1620
Contact: Jeff Doyle
Phone: 701-237-5240
PO Number: None
SOP: 12
Technician ID: 19

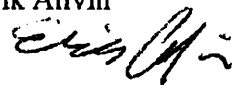
Item(s) Submitted: 5 lb to 0.001 lb Kit
Manufacturer: Troemner
ASTM E617 Type: I & II
Equipment ID#: None
Condition: Good
Temperature: 20.3°C
Pressure: 740.5 mmHg
Relative Humidity: 42. %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Unc. (mg) (k=2)
		As Found	As Left	As Found	As Left	
4 oz		9.75	9.75	F	F	0.07
2 oz		6.03	6.03	F	F	0.07
1 oz		1.01	1.01	F	F	0.07
1/2 oz		1.43	1.43	F	F	0.07
1/4 oz		0.95	0.95	F	F	0.07
1/8 oz		-0.52	-0.52	F	F	0.07
1/16 oz		0.57	0.57	F	F	0.07
1/32 oz		0.29	0.29	F	F	0.07
1/32 oz		0.51	0.51	F	F	0.07

When used as a set these weights meet NIST HB105-1 Class F Tolerance.

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.

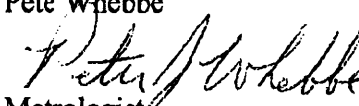
Erik Alfvin



Metrologist

Reviewed by:

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.

2015

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

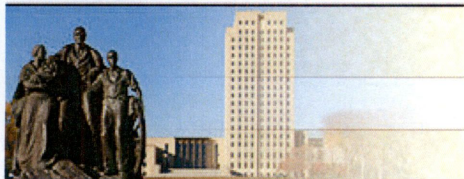
A handwritten signature in blue ink, reading "Carol T. Hockert".

*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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SECRETARY OF STATE NORTH DAKOTA



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HOBART SALES AND SERVICE

Trade Name

System ID: 26828700

Phone: (701) 237-5240

Status: Active

Original File Date: 03/11/2010

Last Renewal Date: 03/11/2015

Nature of Business

SALES & SERVICE OF COMMERCIAL FOOD EQUIPMENT

Owners

JEFFREY D. DOYLE INC.

18 14TH ST S

FARGO, ND 58103-1620

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North Dakota

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JEFFREY D. DOYLE INC.

Corporation Details

System ID: 12242900 **Phone:** (800) 876-5240
Type: BUSINESS CORPORATION
Status: Active & Good Standing
Original File Date: 03/31/1997 **Effective Date:** 03/31/1997
State of Origin: North Dakota

Nature of Business

SALES AND SERVICE OF COMMERCIAL FOOD EQUIPMENT

Principal Office

18 14TH ST S FARGO, ND 58103-1620

Registered Agent

LINDA SKALET
 18 14TH ST S
 FARGO, ND 58103-1620
 Established Date: Aug 20, 2008

Authorized Shares

Class	Number	Par Value
COMMON	5000.000000	\$10.000000

Generate an Annual Report To File

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