



Receipt Date: March 1, 2016
Test Date: March 2, 2016
Report Date: March 3, 2016

State Test No.: 335647
Set Serial No.: None
Barcode: 200424

Calibration Report

RETAIL DATA SYSTEMS
6566 EDENVALE BLVD
EDEN PRAIRIE, MN 55346

Contact: RANDY SHOUTZ
Phone: 952-934-4001
PO Number: NONE
SOP: 12
Technician ID: 07

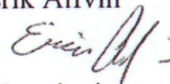
Item(s) Submitted: 30 lb Weight Kit
Manufacturer: Rice Lake
ASTM E617 Type: II
Equipment ID#: None
Condition: Good
Temperature: 20.5 °C
Pressure: 736.7 mmHg
Relative Humidity: 49.1 %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Uncertainty (mg) (k = 2)
		As Found	As Left	As Found	As Left	
10 lb		125	125	F	F	15
10 lb		46	46	F	F	15
5 lb		66	66	F	F	12
2 lb		26.0	26.0	F	F	4.8
2 lb		33.5	33.5	F	F	4.8
1 lb		17.1	17.1	F	F	2.8
0.5 lb		0.2	0.2	F	F	2.3

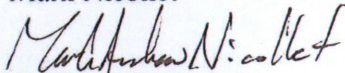
The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008). Results apply to items identified in this report only.

Reviewed by:

Erik Alfvén



Mark Nicollet



Quality Manager

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Calibration reports



Receipt Date: February 26, 2016
Test Date: February 26, 2016
Report Date: March 1, 2016

State Test No.: 335630
Set Serial No.: None
Barcode: 018774

Calibration Report

RETAIL DATA SYSTEMS
6566 EDENVALE BLVD
EDEN PRAIRIE, MN 55346
Contact: RANDY SHOUTZ
Phone: 952-934-4001
PO Number: NONE
SOP: 12
Technician ID: 07

Item(s) Submitted: 30 lb Weight Kit w/ Fractions
Manufacturer: Rice Lake
ASTM E617 Type: I & II
Equipment ID#: None
Condition: Good
Temperature: 20.5 °C
Pressure: 736.5 mmHg
Relative Humidity: 45.8 %

Nominal Value	Serial No.	Correction (mg)		NIST HB105-1 Class		Uncertainty (mg) (k = 2)
		As Found	As Left	As Found	As Left	
10 lb		127	127	F	F	15
10 lb		118	118	F	F	15
5 lb		26	26	F	F	12
1 lb		19.8	19.8	F	F	2.8
1 lb		20.0	20.0	F	F	2.8
1 lb		20.9	20.9	F	F	2.8
1 lb		24.2	24.2	F	F	2.8
1 lb		13.5	13.5	F	F	2.8
4 oz		6.89	6.89	F	F	0.60
4 oz		5.20	5.20	F	F	0.60
4 oz		9.78	9.78	F	F	0.60
1 oz		2.14	2.14	F	F	0.30
1 oz		2.71	2.71	F	F	0.30
1 oz		2.34	2.34	F	F	0.30
1/2 oz		0.91	0.91	F	F	0.24
1/2 oz		1.58	1.58	F	F	0.24
1/4 oz		0.54	0.54	F	F	0.12
1/4 oz		0.10	0.10	F	F	0.12

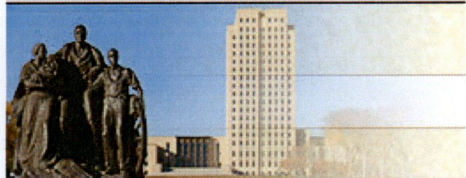
The resulting tolerance class of the weight is determined by combining the correction of the weight and the uncertainty of the measurement. The corrections given above correlate to a conventional mass scale versus 8.0 g/cm³ density and an air density of 1.2 mg/cm³. The items listed above have been compared 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. All of the tolerances and specifications were evaluated according to NIST Handbook 105-1 (1990). Uncertainty calculations contain the components in NIST SOP 8 and conform to the ISO/IEC Guide to the Expression of Uncertainty in Measurement (2008). Results apply to items identified in this report only.

Mark Nicollet
Mark Nicollet
Quality Manager

Reviewed by:
Erik Alfvin
Erik Alfvin
Metrologist

North Dakota

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RDS OF MINNESOTA

Trade Name

System ID: 25752000 **Phone:** (402) 553-6220
Status: Active
Original File Date: 07/10/2009 **Last Renewal Date:** 07/10/2014

Nature of Business

SALES & SERVICE OF GROCERY POINT OF SALE SYSTEMS

Owners

DATA SYSTEMS, INC.
6515 S 118TH ST
OMAHA, NE 68137-3588

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DATA SYSTEMS, INC.

Corporation Details

System ID: 25751900**Phone:** (402) 553-6220**Type:** FOREIGN BUSINESS CORPORATION**Status:** Active & Good Standing**Original File Date:** 07/10/2009**Effective Date:** 07/10/2009**State of Origin:** Nebraska

Nature of Business

SALES & SERVICE OF GROCERY POS EQUIPMENT

Principal Office

6515 S 118TH ST OMAHA, NE 68137-3588

Registered Agent

JASON HENSEL

5440 38TH AVE S APT 305

FARGO, ND 58104-8993

Established Date: Sep 23, 2015

Generate an Annual Report To File

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[2015](#) [2016](#) (generates a forms-fillable pdf in a new pop-up window)

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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	Weight Carts	Volume Gravimetric, I
50 kg to 1 mg	10 000 lb to 2000 lb	20 L to 10 ml
1000 lb to 0.001 lb	Wheel Load Weighers	100 gal to 0.25 qt
4 oz to 0.03125 oz	20 000 lb to 2000 lb	Volume Transfer, II
Mass Echelon III	Railroad Test Cars	1500 gal to 5 gal
50 kg to 1 mg	110 000 lb to 80 000 lb	100 gal to 25 gal LPG
5000 lb to 0.001 lb		
4 oz to 0.03125 oz		



2016 to 2017

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

Effective Dates: 2016-01-01 to 2017-12-31