

South Dakota Department of Public Safety  
Office of Weights and Measures  
Metrology Lab

Lab: 1500 N Garfield - E. Truck Bypass Phone: 605-773-3170  
Office: 118 West Capitol Avenue Phone: 605-773-3697  
Pierre SD 57501

## REPORT OF CALIBRATION

LAB TEST NUMBER: MP3701  
DATE OF REPORT: 03/31/2017  
DATE RECEIVED: 03/31/2017  
DATE OF TEST: 03/31/2017



**Submitted By:** Midwest Meter Provers  
**Contact:** Allan Marsolek  
**Mailing Address:** 2965 85th Ave SE  
**City, State, Zip:** Jamestown, ND 58401  
**Phone:** 701-320-3698  
**S/A Number:**

**Standards Submitted:**

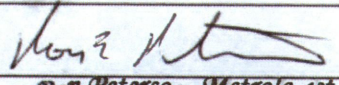
1 - Rice Lake 3000 lb truck mounted scale

**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 1995 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.

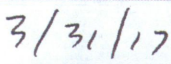
**Traceability statement:**

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 test number identified above is the unique report number to be used in referencing measurement traceability for artifacts identified in this report only.

This document does not represent or imply endorsement by NIST Office of Weights and Measures or any agency of the State and/or national governments. The reported test values relate only to the observations made at the time and conditions of the test. This report may not be reproduced, except in full without the written approval of this laboratory. The client must not use this document to claim product endorsement by this laboratory.

  
Ron Peterson, Metrologist



  
Date

## SOUTH DAKOTA WEIGHTS AND MEASURES / METROLOGY LAB

Lab: 1500 N. Garfield-E. Truck Bypass Phone: 605-773-3170

Office: 118 West Capitol Avenue Phone: 605-773-3697

Pierre, SD 57501



Submitted by :	ALLAN MARSOLEK	Report Number:	MP3701
Mailing Address:	2965 85 <sup>th</sup> Ave SE	Date Received:	03/31/17
City, State, Zip:	Jamestown, ND 58401	Date Tested:	03/31/17
Make of Scale:	Rice Lake	Condition of Scale	Good
Serial Number:	0008689/000018574	Temperature (c):	20
Capacity:	3000 lb X 0.5 lb	Humidity:	40.0%
		Pressure (mm/Hg):	715.4

Test Load (lb)	As Found (lb)	Error (lb)	Allowable Tolerance (+/- lb)	As Left (lb)	As Left Error (lb)	Pass/Fail
0	0	0	.5	0	0.0	Pass
1000	1003.5	3.5	1.5	1000.0	0.0	Pass
2000	2005.5	5.5	1.5	2000.0	0.0	Pass

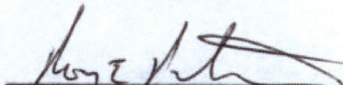
A shift test was performed using 1000 lb standard and the results fell within tolerance.

Repeatability test was performed and scale repeated within tolerance requirements.

A sensitivity weight of 5 lb was used at each weight and the results were within tolerance.

Standards used were calibrated using the working standards of the SD Metrology lab which were tested by the Minnesota State Lab, Report #332339, on 04/03/14 and are traceable to NIST.

END OF REPORT

  
 Ron Peterson, Metrologist  
 Office of Weights and Measures  
 118 W Capitol  
 Pierre, SD 57501-2000

3/31/17  
 Date  
 Phone: 605-773-3697

[www.state.sd.us/dps/wm](http://www.state.sd.us/dps/wm)





# Public Service Commission

## State of North Dakota

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### COMMISSIONERS

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June 11, 2014

Allen Marsolek  
Midwest Meter Prover's  
2965 85<sup>th</sup> Ave SE  
Jamestown ND 58401-9604

Dear Mr. Marsolek:

Enclosed is your Registered Service Company annual permit which expires on May 7, 2015.

In a telephone discussion between us, an agreement was reached that, prior to your first anhydrous meter test in 2015 and each year after, your standard must be recertified by a NIST-recognized metrology lab and the metrology lab Calibration Report submitted to the Public Service Commission.

If you have any questions, please call me at 701-328-4077. Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Patrick Fahn".

Patrick Fahn, Director  
Compliance and Competitive Markets

# United States Department of Commerce

## National Institute of Standards and Technology

Certificate of Metrological Traceability For:

# South Dakota

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 III**  
30 kg to 100 mg  
1000 lb to 0.001 lb  
8 oz to 0.03125 oz

**Weight Carts**  
4000 lb to 2000 lb

**Volume Transfer, II**  
5 gal



2017

Georgia L. Harris, Acting Chief  
NIST Office of Weights and Measures

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