



APPLICATION FOR REGISTRATION AS A REGISTERED SERVICE COMPANY
Public Service Commission
SFN 51277 (2/2014)



TYPE OR PRINT - AN INCOMPLETE OR ILLEGIBLE APPLICATION WILL BE REJECTED

Name of Company Farmchem Corp	Email Address danielr@farmchem.com	Application Date 8/24/16	
Mailing Address 10 N. Washington Ave, STE 300	City Mason City	State IA	Zip Code 50401
Telephone Number 641-423-0741 x213	Cell Phone Number 641-430-7934	Fax Number 641-423-0755	

Select below all device types your company will certify:

Scales (include maximum capacity, if applicable)	Liquid (include maximum flow rate, if applicable)
<input type="checkbox"/> 1. Rail <input type="checkbox"/> 2. Truck <input type="checkbox"/> 3. Livestock <input type="checkbox"/> 4. Hopper: Max. Capacity: _____ <input type="checkbox"/> 5. Belt <input type="checkbox"/> 6. Over 30 lbs.: Max. Capacity: _____ <input checked="" type="checkbox"/> 7. 30 lbs. or less <input type="checkbox"/> 8. Class II (indicate on your calibration report which weight kit is Class II certified) <input type="checkbox"/> 9. Other: Please List:	<input type="checkbox"/> 1. Retail Fuel (less than 20 gal. per minute) <input type="checkbox"/> 2. High Flow Retail Fuel (20 gal. per minute or greater) <input type="checkbox"/> 3. Vehicle Tank: Max. Flow Rate: _____ <input type="checkbox"/> 4. Stationary Bulk (fuel or oil): Max. Flow Rate: _____ <input type="checkbox"/> 5. LPG <input type="checkbox"/> 6. Stationary LPG <input type="checkbox"/> 7. Fertilizer: Max. Flow Rate: _____ <input type="checkbox"/> 8. Chemical <input type="checkbox"/> 9. Anhydrous <input type="checkbox"/> 10. Loading Rack <input type="checkbox"/> 11. Other: Please List:

List below all persons employed by your company as a North Dakota Registered Service Person and the device types they are registered to certify (attach a separate sheet to list additional employees):

Permit No.	Employee	Device Types Registered to Certify (list using device type numbers from above)
<i>e.g. 1001</i>	<i>e.g. John Doe</i>	<i>e.g. Scales - 2, 3, 6, 8; e.g. Liquid - 1, 2, 6</i>
1767	Michael Oostema	Scales - 7
1715	Mike Coker	Scales - 7

Continued on Page 2



List below all field standards (attach current calibration reports):

ACSN - 34# weight kit	Mike Coker
5U9W - 34# weight kit	Michael Oostema

Additional Application Items (initial where appropriate):

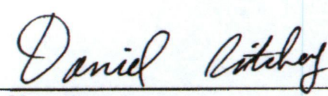
Standardized Test Report	<input type="checkbox"/> Copy enclosed <input checked="" type="checkbox"/> No change in report filed previously
Tested and Approved Sticker	<input type="checkbox"/> Copy enclosed <input checked="" type="checkbox"/> No change in sticker filed previously
Photocopy of Crimped Lead Wire Seal	<input type="checkbox"/> Copy enclosed <input checked="" type="checkbox"/> No change in crimped lead wire seal filed previously

Public Company Listing:

Include my company information on your registered service company list for public contact.

Yes No

I am Daniel Ritchey, and have authority to represent this company. By signing this application, I declare that I have examined this form and accompanying documentation, and to the best of my knowledge and belief, the facts stated and documentation provided is true, correct, and complete.

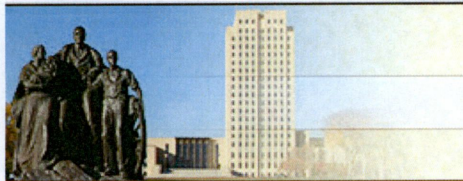


 Signature

Send Completed Application and Related Documents To:

Public Service Commission
 600 E Boulevard Ave Dept 408
 Bismarck ND 58505-0480
Telephone: (701) 328-2400
Fax: (701) 328-2410

North Dakota

nd.gov Official Portal for
North Dakota State GovernmentNorth Dakota
LEGISLATURE

SECRETARY OF STATE NORTH DAKOTA

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FARMCHEM CORP.

Corporation Details

System ID: 28687100**Phone:** (800) 247-1854**Type:** FOREIGN BUSINESS CORPORATION**Status:** Active & Good Standing**Original File Date:** 03/28/2011**Effective Date:** 03/28/2011**State of Origin:** Iowa

Nature of Business

SERVICE SCALES FOR DUPONT / WEIGHTS & MEASURES

Principal Office

616 MADISON PO BOX 309 FLOYD, IA 50435-0309

Registered Agent

CORPORATE CREATIONS NETWORK INC.

1709 N 19TH ST #3

BISMARCK, ND 58501-2121

Established Date: Apr 03, 2014

Generate an Annual Report To File

To Generate a Annual Report form to be filed with the Secretary of State, select the appropriate year of the report you intend to file. This report does not contain details of a report previously filed with the Secretary of State. The annual report years reflected are an indication of the various report forms available in this site and is not an indication that an entity needs to file reports for all years. Missing years indicate that the forms for the missing year have not yet been deployed to the website, or have already been removed, and can be obtained by contacting the Secretary of State.

[2016](#) (generates a forms-fillable pdf in a new pop-up window)[Return to Search Results](#)[Contact Us](#)[Disclaimer](#)[Privacy Policy](#)

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Calibration Certificate 14671

Certificate Expires
March 2018

Missouri Department of Agriculture
Weights, Measures & Consumer Protection Division, Metrology Laboratory
Lab Location: 1616 Missouri Blvd., Jefferson City, MO 65109
Mailing Address: PO Box 630 Jefferson City, MO 65102
Email: tom.hughes@mda.mo.gov kevin.hanson@mda.mo.gov

Rev(11/15)

FarmChem Corporation; 616 Madison St; Floyd, IA 50435; Phone:
Customer Number: 708; Submission Date: 3/24/16; Calibration Date: 3/30/16

Test Item(s) Description

I - weight set; Material: stainless steel; Manufacturer: Rice Lake; Serial: 5U9W; Condition: good



Method and Traceability

The SI unit for mass is the kilogram (kg) 1 lb = 0.45359237 kg

National Institute of Standards and Technology (NIST) IR 6969 modified substitution standard operating procedure (SOP) 8 compares a standard and an unknown weight once to determine the difference. The Missouri metrology laboratory has demonstrated measurement proficiency through training and interlaboratory comparisons compliant to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories (ISO/IEC 17025:2010): Laboratory standards used for comparison are traceable to the international system of units (SI) through NIST.

Uncertainty

[OIML R111](#)

[NIST SOPs](#)

[NIST Handbooks](#)

The uncertainty is the root sum square of the uncertainty of the standard, the standard deviation of the process (obtained using a check standard which characterizes balance performance), a component for balance sensitivity and drift, and an uncorrected systematic error for lack of buoyancy corrections, multiplied by a coverage factor (k)¹ from the Student's t distribution table according to the measurement degrees of freedom² associated with a 95.45 % confidence interval. (k) was calculated using the Excel TINV function [two tailed probability 0.0455, TINV(0.0455,df)]. Magnetism was not included in the uncertainty evaluation.

Remarks

Conditions During Test: Temperature 19.0 °C; Barometric Pressure 740.0 mmHg; Relative Humidity 51 (%)

Calibrated by: Tom Hughes

Lab Manager: *Kevin Hanson*

Date Calibrated: 3/30/16

Weights are not checked for magnetism or material hardness with this procedure. The weight surface finish was visually inspected with a Flexbar surface finish comparator and the finish is considered adequate for the tolerance class listed unless otherwise noted in the "Remarks" section. This document shall not be reproduced except in full or used to claim product endorsement by this laboratory without written approval from the Missouri Metrology Lab. The results listed in this report only apply to the items calibrated.

NIST Handbook 105-1 Class F Tolerances For Field Standard Weights: Tables 2, 3, 4, & 5 respectively

FarmChem Corporation Cert No. 14671 Serial: 5U9W

Nominal Value Units		Standard Serial/ID	As Found Value	Value If Adjusted	± Tolerance NIST Class F	± Measurement Uncertainty	¹ t Table k factor	² Degrees of Freedom
10	lb		110 mg		450 mg	54 mg	2.02	113
5	lb		33 mg		230 mg	28 mg	2.02	113
5	lb		53 mg		230 mg	28 mg	2.02	113
5	lb		70 mg		230 mg	28 mg	2.02	113
5	lb		17 mg		230 mg	28 mg	2.02	113
2	lb		37 mg		91 mg	11 mg	2.02	113
1	lb		20.7 mg		70 mg	8.3 mg	2.02	113
1	lb		28.9 mg		70 mg	8.3 mg	2.02	113
8	oz		17.9 mg		45 mg	5.4 mg	2.02	113
4	oz		2.4 mg		23 mg	2.1 mg	2.02	113
2	oz		1.8 mg		11 mg	1.1 mg	2.02	113
1	oz		1.30 mg		5.4 mg	0.54 mg	2.02	113





Calibration Certificate 14555

Certificate Expires
October 2017

Missouri Department of Agriculture
Weights, Measures & Consumer Protection Division, Metrology Laboratory
Lab Location: 1616 Missouri Blvd., Jefferson City, MO 65109
Mailing Address: PO Box 630 Jefferson City, MO 65102
Email: tom.hughes@mda.mo.gov kevin.hanson@mda.mo.gov

FarmChem Corporation; 616 Madison St; Floyd, IA; 50435; Phone:
Submission Date: 10/14/15 Customer Number: 708 Calibration Date: 10/19/15

Rev(10/15)



Test Item(s) Description

(1 - weight set; Material Type: stainless steel; Tolerance: NIST Class F; Manufacturer: Rice Lake; Serial: ACSN; Condition: fair; Weight Range: 10 lb - 1 oz)

Method and Traceability

The SI unit for mass is the kilogram (kg) 1 lb = 0.45359237 kg

National Institute of Standards and Technology (NIST) modified substitution standard operating procedure (SOP) 8 compares a standard and an unknown weight once to determine the difference. The Missouri metrology laboratory has demonstrated measurement proficiency through training and interlaboratory comparisons compliant to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories (ISO/IEC 17025:2010): Laboratory standards used for comparison are traceable to the international system of units (SI) through NIST.

Uncertainty Information

[Student's t distribution](#)

[Link NIST SOPs](#)

The reported uncertainty is the root sum square of the uncertainty of the standard, the standard deviation of the process (obtained using a check standard which characterizes balance performance), a component for balance sensitivity and drift, and an uncorrected systematic error for lack of buoyancy corrections, multiplied by a coverage factor (k)¹ from the Student's t distribution according to the measurement degrees of freedom² associated with a 95.45 % confidence interval [two tailed probability 0.0455, $TINV(0.0455,df-1)$]. Magnetism was not included in the uncertainty evaluation.

Conditions During Test: Temperature 20.0 °C Barometric Pressure 750.0 mmHg Relative Humidity 39 %

Calibrating Metrologist: Tom Hughes

Lab Manager: *Kevin Hanson*

Date Calibrated: 10/19/15

Weights are not checked for magnetism or material hardness with this procedure. The weight surface finish was visually inspected with a Flexbar surface finish comparator and the finish is considered adequate for the tolerance class listed unless otherwise noted in the "Remarks" section. This document shall not be reproduced except in full or used to claim product endorsement by this laboratory without written approval from the Missouri Metrology Lab. The results listed in this report only apply to the items calibrated.

Please follow this link and fill out our online survey.

[Metrology-Customer-Survey](#)

Nominal Value	Units	Standard Serial/ID	As Found Value	Value If Adjusted	± Tolerance NIST Class F	± Measurement Uncertainty	¹ t Table k factor	² Degrees of Freedom
10 lb		-	162 mg		450 mg	54 mg	2.02	109
5 lb		A	80 mg		230 mg	28 mg	2.02	109
5 lb			66 mg		230 mg	28 mg	2.02	109
5 lb		...	44 mg		230 mg	28 mg	2.02	109
5 lb		42 mg		230 mg	28 mg	2.02	109
2 lb			39 mg		91 mg	11 mg	2.02	109
1 lb			30.5 mg		70 mg	8.3 mg	2.02	109
1 lb			24.6 mg		70 mg	8.3 mg	2.02	109
8 oz			17.1 mg		45 mg	5.4 mg	2.02	109
4 oz			8.3 mg		23 mg	2.1 mg	2.02	109
2 oz			4.1 mg		11 mg	1.1 mg	2.02	109
1 oz			2.1 mg		5.4 mg	0.54 mg	2.02	109



United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

Missouri

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
30 kg to 1 mg	6500 lb to 2000 lb
50 lb to 0.001 lb	Railroad Test Cars
4 oz to 0.03125 oz	110 000 lb to 80 000 lb
Mass Echelon III	Volume Transfer, II
250 kg to 1 mg	1500 gal to 5 gal
6500 lb to 0.001 lb	100 gal to 25 gal LPG
4 oz to 0.03125 oz	Grain Moisture
	19 % to 8 %



2016

A handwritten signature in black ink, appearing to read "Carol T. Hockert".

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

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