



**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**

<b>Name of Company</b>	<b>Email Address</b>	<b>Application Date</b>	
Farmchem Corp	danielr@farmchem.com	6/5/15	
<b>Mailing Address</b>	<b>City</b>	<b>State</b>	<b>Zip Code</b>
10 N. Washington Ave	Mason City	IA	50401
<b>Telephone Number</b>	<b>Cell Phone Number</b>	<b>Fax Number</b>	
641-423-0741		641-423-0755	

**Select below all device types your company will certify:**

<b>Scales (include maximum capacity, if applicable)</b>	<b>Liquid (include maximum flow rate, if applicable)</b>
<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):**

<b>Permit No.</b>	<b>Employee</b>	<b>Device Types Registered to Certify (list using device type numbers from above)</b>
<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>
1715	Mike Coker	Scales - 7



Application for Registration as a Registered Service Company  
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List below all field standards (attach current calibration reports):

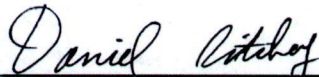
Mike Coker	5ww2

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. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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<p>I am <u>Daniel Ritchey</u>, 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.</p> <p style="text-align: right;">         _____        Signature     </p>
---

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



# Calibration Certificate 14288

Certificate Expires

December 2016

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](mailto:tom.hughes@mda.mo.gov) [kevin.hanson@mda.mo.gov](mailto:kevin.hanson@mda.mo.gov)

**FarmChem Corporation; 616 Madison St; Floyd, IA; 50435; Phone:**

Rev(2/14)

Submission Date: 12/10/14 Customer No: 708 Calibration Date: 12/11/14 Certificate No: 14288

### Test Item(s) Description

(1 - weight set; Material Type: stainless steel; Tolerance: NIST Class F; Manufacturer: Rice Lake; Serial: 5ww2; Condition: good; Weight Range: 10 lb - 1 oz)

### Method and Traceability

The SI unit for mass is the kilogram (kg) 1 kg = 1000 g and 1 lb = 453.59237 g

The National Institute of Standards and Technology (NIST) modified substitution 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 HB 143:2007 (ISO/IEC 17025:2010): Laboratory standards used for comparison are traceable to the international system of units (SI) through NIST. Traceable test numbers: NIST(39598); NIST(822/259883-98); NIST(822/274998-07); OK(OBS 11-0913).

*Reported as found or adjusted values are not intended for use as weight correction factors.*

### Uncertainty Information

Uncertainty conforms to NIST Standard Operating Procedure 29 for the Assignment of Uncertainty. It is calculated using the root sum square of the uncertainty components. Reported uncertainty is multiplied by a coverage factor that is based on the measurement degrees of freedom from the t distribution table for an approximate 95.45% confidence interval.

### Remarks

Conditions During Test: (Temperature 20.0 °C) (Barometric Pressure 755.0 mmHg) (Humidity 44 %)

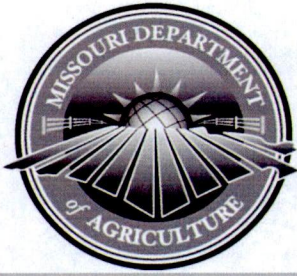
Calibrating Metrologist: Tom Hughes

Lab Manager: *Kevin Hanson*

Date Calibrated: 12/11/14

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Nominal Value	Units	Standard Serial/ID	As Found Value	Value If Adjusted	± Tolerance NIST Class F	Uncertainty k=2	Mass comparator used for the calibration
		5ww2					
10 lb			155 mg		450 mg	53 mg	Mettler PR5003 (5100 g x 1 mg)
5 lb			67 mg		230 mg	27 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb			64 mg		230 mg	27 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb			65 mg		230 mg	27 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb			68 mg		230 mg	27 mg	Mettler PR2004 (2300 g x 0.1 mg)
2 lb			28 mg		91 mg	11 mg	Mettler PR2004 (2300 g x 0.1 mg)
1 lb			29.6 mg		70 mg	8.3 mg	Mettler PR2004 (2300 g x 0.1 mg)
1 lb			16.3 mg		70 mg	8.3 mg	Mettler PR2004 (2300 g x 0.1 mg)
8 oz			12.7 mg		45 mg	5.3 mg	Mettler PR2004 (2300 g x 0.1 mg)
4 oz			8 mg		23 mg	2.1 mg	Mettler AT201 (205 g x 0.01 mg)
2 oz			3.6 mg		11 mg	1.1 mg	Mettler AT201 (205 g x 0.01 mg)
1 oz			1.7 mg		5.4 mg	0.53 mg	Mettler AT201 (205 g x 0.01 mg)



# Calibration Certificate 14230

Certificate Expires  
September 2016

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](mailto:tom.hughes@mda.mo.gov) [kevin.hanson@mda.mo.gov](mailto:kevin.hanson@mda.mo.gov)

**FarmChem Corporation; 616 Madison St; Floyd, IA; 50435; Phone:**

Rev(2/14)

Submission Date: 9/17/14 Customer No: 708 Calibration Date: 9/19/14 Certificate No: 14230

### Test Item(s) Description

(1 - weight set; Material Type: stainless steel; Tolerance: Class F; Manufacturer: Rice Lake; Serial: 4CSN; Condition: fair; Weight Range: 10 lb - 1 oz)

### Method and Traceability

The SI unit for mass is the kilogram (kg) 1 kg = 1000 g and 1 lb = 453.59237 g

The National Institute of Standards and Technology (NIST) modified substitution 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 HB 143:2007 (ISO/IEC 17025:2010): Laboratory standards used for comparison are traceable to the international system of units (SI) through NIST. Traceable test numbers: NIST(39598); NIST(822/259883-98); NIST(822/274998-07); OK(OBS 11-0913).

*Reported as found or adjusted values are not intended for use as weight correction factors.*

### Uncertainty Information

Uncertainty conforms to NIST Standard Operating Procedure 29 for the Assignment of Uncertainty. It is calculated using the root sum square of the uncertainty components. Reported uncertainty is multiplied by a coverage factor that is based on the measurement degrees of freedom from the t distribution table for an approximate 95.45% confidence interval.

### Remarks

Conditions During Test: (Temperature 21.0 °C) (Barometric Pressure 748.0 mmHg) (Humidity 51 %)

Calibrating Metrologist: Tom Hughes

Lab Manager: *Kevin Hanson*

Date Calibrated: 9/19/14

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Nominal Value	Units	Standard Serial/ID	As Found Value	Value If Adjusted	± Tolerance NIST Class F	Uncertainty k=2	Mass comparator used for the calibration
		4CSN					
10 lb			45 mg		450 mg	15 mg	Mettler PR5003 (5100 g x 1 mg)
5 lb			59 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb		•	30 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb		••	33 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb		••••	51 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
2 lb			37.5 mg		91 mg	8.2 mg	Mettler PR2004 (2300 g x 0.1 mg)
1 lb			25 mg		70 mg	4.7 mg	Mettler PR2004 (2300 g x 0.1 mg)
1 lb			16 mg		70 mg	4.7 mg	Mettler PR2004 (2300 g x 0.1 mg)
8 oz			19 mg		45 mg	4.7 mg	Mettler PR2004 (2300 g x 0.1 mg)
4 oz			6.02 mg		23 mg	0.50 mg	Mettler AT201 (205 g x 0.01 mg)
2 oz			3.01 mg		11 mg	0.28 mg	Mettler AT201 (205 g x 0.01 mg)
1 oz			1.07 mg		5.4 mg	0.22 mg	Mettler AT201 (205 g x 0.01 mg)



## Calibration Certificate 14230

Certificate Expires  
September 2016

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](mailto:tom.hughes@mda.mo.gov) [kevin.hanson@mda.mo.gov](mailto:kevin.hanson@mda.mo.gov)

**FarmChem Corporation; 616 Madison St; Floyd, IA; 50435; Phone:**

Rev(2/14)

Submission Date: 9/17/14 Customer No: 708 Calibration Date: 9/19/14 Certificate No: 14230

### Test Item(s) Description

(1 - weight set; Material Type: stainless steel; Tolerance: 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 kg = 1000 g and 1 lb = 453.59237 g

The National Institute of Standards and Technology (NIST) modified substitution 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 HB 143:2007 (ISO/IEC 17025:2010): Laboratory standards used for comparison are traceable to the international system of units (SI) through NIST. Traceable test numbers: NIST(39598); NIST(822/259883-98); NIST(822/274998-07); OK(OBS 11-0913).

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### Remarks

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Calibrating Metrologist: Tom Hughes

Lab Manager: *Kevin Hanson*

Date Calibrated: 9/19/14

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Nominal Value	Units	Standard Serial/ID	As Found Value	Value If Adjusted	± Tolerance NIST Class F	Uncertainty k=2	Mass comparator used for the calibration
		ACSN					
10 lb		••	166 mg		450 mg	15 mg	Mettler PR5003 (5100 g x 1 mg)
5 lb			67 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb		•••	46 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb		••••	44 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
5 lb		A	85 mg		230 mg	15 mg	Mettler PR2004 (2300 g x 0.1 mg)
2 lb			38.5 mg		91 mg	8.2 mg	Mettler PR2004 (2300 g x 0.1 mg)
1 lb			29 mg		70 mg	4.7 mg	Mettler PR2004 (2300 g x 0.1 mg)
1 lb			27 mg		70 mg	4.7 mg	Mettler PR2004 (2300 g x 0.1 mg)
8 oz			14 mg		45 mg	4.7 mg	Mettler PR2004 (2300 g x 0.1 mg)
4 oz			8.72 mg		23 mg	0.50 mg	Mettler AT201 (205 g x 0.01 mg)
2 oz			4.31 mg		11 mg	0.28 mg	Mettler AT201 (205 g x 0.01 mg)
1 oz			2.37 mg		5.4 mg	0.22 mg	Mettler AT201 (205 g x 0.01 mg)

# 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.



2014 - 2015

### Scope

<b>Mass Echelon II</b>	<b>Weight Carts</b>
25 kg to 1 mg	5000 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
<b>Mass Echelon III</b>	<b>Volume Transfer, II</b>
250 kg to 1 mg	1500 gal to 5 gal
5000 lb to 0.001 lb	100 gal to 25 gal LPG
4 oz to 0.03125 oz	<b>Grain Moisture</b>
	19 % to 8 %

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

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

Effective Dates: 2014-01-01 to 2015-12-31