



Dave Heineman  
Governor

# State of Nebraska

DEPARTMENT OF AGRICULTURE  
GREGORY A. IBACH  
Director

Nebraska Standards Laboratory  
3721 West Cuming Street  
Lincoln, NE 68524

## CERTIFICATION FOR STANDARDS OF MEASUREMENT

Agency: Food Safety & Consumer Protection  
Area 80

Date: 10/22/2012  
Agency ID: 80  
NE Cert No: 20120124  
P.O. No:

Submitted By: Mike Johnson

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Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
5 gal	04-20943-01	1	VL	A
5 gal	04-20943-02	1	VL	A
5 gal	04-20943-03	1	VL	A
5 gal	39423-C	1	VL	A
5 gal	4393-5-B	1	VL	A
2 lb	9-OPI-11	1	F	A
2 lb	9-OPI-11	2	F	A
2 lb	9-OPI-11	3	F	A
2 lb	9-OPI-11	4	F	A
2 lb	9-OPI-11	5	F	A
2 lb	9-OPI-11	6	F	A
2 lb	9-OPI-11	7	F	A
2 lb	9-OPI-11	8	F	A
2 lb	9-OPI-11	9	F	A
2 lb	9-OPI-11	10	F	A
2 lb	9-OPI-11	11	F	A
2 lb	9-OPI-11	12	F	A
2 lb	9-OPI-11	13	F	A
2 lb	9-OPI-11	14	F	A
1 lb	9-OPI-11	15	F	A
1 lb	9-OPI-11	16	F	A
8 oz	9-OPI-11	17	F	A
4 oz	9-OPI-11	18	F	A
2 oz	9-OPI-11	19	F	A
1 oz	9-OPI-11	20	F	A

Department of Agriculture, 301 Centennial Mall South  
Web Site: [www.agr.ne.gov](http://www.agr.ne.gov)

Administration  
P.O. Box 94947  
Lincoln, NE 68509-4947  
(402) 471-2341  
FAX: (402) 471-6876

Agriculture Laboratories  
3703 South 14<sup>th</sup> Street  
Lincoln, NE 68502-5399  
(402) 471-2176  
FAX: (402) 471-0091

Bureau of Animal Industry  
P.O. Box 94987  
Lincoln, NE 68509-4787  
(402) 471-2351  
FAX: (402) 471-6893

Bureau of Dairies & Foods  
P.O. Box 95064  
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(402) 471-2536  
FAX: (402) 471-2759

Bureau of Plant Industry  
P.O. Box 94956  
Lincoln, NE 68509-4756  
(402) 471-2394  
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Weights and Measures  
P.O. Box 94757  
Lincoln, NE 68509-4757  
(402) 471-4292  
FAX: (402) 471-2759

Submitted By: Mike Johnson

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
0.5 oz	9-OPI-11	21	F	A
0.25 oz	9-OPI-11	22	F	A
0.0625 oz	9-OPI-11	24	F	A
0.0625 oz*	9-OPI-11	25	F	A
0.3 lb	9-OPI-11	26	F	A
0.2 lb	9-OPI-11	27	F	A
0.1 lb	9-OPI-11	28	F	A
0.05 lb	9-OPI-11	29	F	A
0.03 lb	9-OPI-11	30	F	A
0.02 lb	9-OPI-11	31	F	A
0.01 lb	9-OPI-11	32	F	A
0.005 lb	9-OPI-11	33	F	A
0.003 lb	9-OPI-11	34	F	A
0.002 lb	9-OPI-11	35	F	A
0.001 lb	9-OPI-11	36	F	A
0.001 lb*	9-OPI-11	37	F	A
25 lb	NE-1	1	F	A
25 lb	NE-10	1	F	A
25 lb	NE-11	1	F	A
25 lb	NE-12	1	F	A
25 lb	NE-13	1	F	A
25 lb	NE-14	1	F	A
25 lb	NE-15	1	F	A
25 lb	NE-16	1	F	A
25 lb	NE-17	1	F	A
25 lb	NE-18	1	F	A
25 lb	NE-19	1	F	A
25 lb	NE-2	1	F	A
25 lb	NE-20	1	F	A
25 lb	NE-3	1	F	A
25 lb	NE-4	1	F	A
25 lb	NE-5	1	F	A
25 lb	NE-6	1	F	A
25 lb	NE-7	1	F	A
25 lb	NE-8	1	F	A
25 lb	NE-9	1	F	A

Submitted By: Mike Johnson

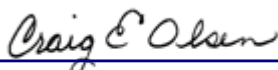
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Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
300 g	WM-G89-7	1	4	A
200 g	WM-G89-7	2	4	A
100 g	WM-G89-7	3	4	A
50 g	WM-G89-7	4	4	A
30 g	WM-G89-7	5	4	A
20 g	WM-G89-7	6	4	A
10 g	WM-G89-7	7	4	A
5 g	WM-G89-7	8	4	A
3 g	WM-G89-7	9	4	A
2 g	WM-G89-7	10	4	A
1 g	WM-G89-7	11	4	A
500 mg	WM-G89-7	12	4	A
200 mg	WM-G89-7	13	4	A
200 mg*	WM-G89-7	14	4	A
100 mg	WM-G89-7	15	4	A
50 mg	WM-G89-7	16	4	A
20 mg	WM-G89-7	17	4	A
20 mg*	WM-G89-7	18	4	A
10 mg	WM-G89-7	19	4	A
5 mg	WM-G89-7	20	4	A
2 mg	WM-G89-7	21	4	A
2 mg*	WM-G89-7	22	4	A

These field standards have been compared with our reference standards and found to be within the tolerances for their class, or condemned, as prescribed by the National Institute of Standards and Technology. These field standards also meet the required specifications.

The reference standards used are traceable to the National Institute of Standards and Technology (NIST). Our traceability is maintained through control charts, regional inter-comparisons and periodic recertifications. This certificate is issued by the Nebraska Department of Agriculture / Division of Weights and Measures. Reproduction of this certificate must include the entire document (including all attached papers).

- See 'Test Results' attached  
 See report/letter attached

  
\_\_\_\_\_  
Craig E. Olsen  
Nebraska State Metrologist

Nebraska Standards Laboratory  
3721 West Cuming Street  
Lincoln, NE 68524  
(402) 471-2087

**SOP 19 - Volume Transfer Test Results**

Agency ID: 80

Agency: Food Safety & Consumer Protection  
Area 80

Form No.: NE03LF12-R00

NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

Submitted By: Mike Johnson

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Serial #: 04-20943-01  
Retest #: 0  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	62.9 °F	0.998744	0 in3

**Test Measure Information**

Water Temperature: 62.9 °F  
Water Density: 0.998744 g/cm<sup>3</sup>  
Scale Reading: -0.1 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9995 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

Nebraska Standards Laboratory  
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**SOP 19 - Volume Transfer Test Results**

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Serial #: 04-20943-01  
Retest #: 1  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	61 °F	0.998923	0 in3

**Test Measure Information**

Water Temperature: 61 °F  
Water Density: 0.998923 g/cm<sup>3</sup>  
Scale Reading: -0.1 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9995 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

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Serial #: 04-20943-02  
Retest #: 0  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	63.8 °F	0.998655	0 in3

**Test Measure Information**

Water Temperature: 63.8 °F  
Water Density: 0.998655 g/cm<sup>3</sup>  
Scale Reading: -0.25 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 5.0002 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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**SOP 19 - Volume Transfer Test Results**

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NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

Submitted By: Mike Johnson

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Serial #: 04-20943-02  
Retest #: 1  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	62.3 °F	0.998802	0 in3

**Test Measure Information**

Water Temperature: 62.3 °F  
Water Density: 0.998802 g/cm<sup>3</sup>  
Scale Reading: -0.25 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 5.0002 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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**SOP 19 - Volume Transfer Test Results**

Agency ID: 80

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Form No.: NE03LF12-R00

NE Cert No: 20120124

Date: 10/22/2012

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Serial #: 04-20943-03  
Retest #: 0  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	61.9 °F	0.998840	0 in3

**Test Measure Information**

Water Temperature: 61.9 °F  
Water Density: 0.998840 g/cm<sup>3</sup>  
Scale Reading: -0.2 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 5.0000 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*



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**SOP 19 - Volume Transfer Test Results**

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Area 80

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NE Cert No: 20120124

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Serial #: 04-20943-03  
Retest #: 1  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	61.8 °F	0.998849	0 in3

**Test Measure Information**

Water Temperature: 61.8 °F  
Water Density: 0.998849 g/cm<sup>3</sup>  
Scale Reading: -0.25 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 5.0002 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

Nebraska Standards Laboratory  
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Lincoln, NE 68524  
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**SOP 19 - Volume Transfer Test Results**

Agency ID: 80

Agency: Food Safety & Consumer Protection  
Area 80

Form No.: NE03LF12-R00

NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

Submitted By: Mike Johnson

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Serial #: 39423-C  
Retest #: 0  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	62 °F	0.998831	0 in3

**Test Measure Information**

Water Temperature: 62 °F  
Water Density: 0.998831 g/cm<sup>3</sup>  
Scale Reading: 0 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9991 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

Nebraska Standards Laboratory  
3721 West Cuming Street  
Lincoln, NE 68524  
(402) 471-2087

**SOP 19 - Volume Transfer Test Results**

Agency ID: 80

Agency: Food Safety & Consumer Protection  
Area 80

Form No.: NE03LF12-R00

NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

Submitted By: Mike Johnson

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Serial #: 39423-C  
Retest #: 1  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	61.7 °F	0.998859	0 in3

**Test Measure Information**

Water Temperature: 61.7 °F  
Water Density: 0.998859 g/cm<sup>3</sup>  
Scale Reading: -0.25 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 5.0002 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

Nebraska Standards Laboratory  
3721 West Cuming Street  
Lincoln, NE 68524  
(402) 471-2087

**SOP 19 - Volume Transfer Test Results**

Agency ID: 80

Agency: Food Safety & Consumer Protection  
Area 80

Form No.: NE03LF12-R00

NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

Submitted By: Mike Johnson

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Serial #: 4393-5-B  
Retest #: 0  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	62.4 °F	0.998793	0 in3

**Test Measure Information**

Water Temperature: 62.4 °F  
Water Density: 0.998793 g/cm<sup>3</sup>  
Scale Reading: -0.6 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 5.0017 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

Nebraska Standards Laboratory  
3721 West Cuming Street  
Lincoln, NE 68524  
(402) 471-2087

**SOP 19 - Volume Transfer Test Results**

Agency ID: 80

Agency: Food Safety & Consumer Protection  
Area 80

Form No.: NE03LF12-R00

NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

Submitted By: Mike Johnson

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Serial #: 4393-5-B  
Retest #: 1  
Denomination: 5 gal  
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.  
Tolerance Class: VL  
Material: SS  
Coef of Expansion: 0.0000265 °F

**Test Data**

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	62.4 °F	0.998793	0 in3

**Test Measure Information**

Water Temperature: 62.4 °F  
Water Density: 0.998793 g/cm<sup>3</sup>  
Scale Reading: -0.5 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 5.0013 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

**Nebraska Standards Laboratory**  
**3721 West Cuming Street**  
**Lincoln, NE 68524**  
**(402) 471-2087**

**SOP 4 - Double Substitution - Summary Of Test Results**

Agency ID: 80  
 Agency: Food Safety & Consumer Protection  
 Area 80  
 , -

NE Cert No: 20120124  
 Date: 10/22/2012  
 P.O. No:  
 Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Mike Johnson

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-7	1	300.00335397	300.00243545	0.00009083	CC1201_300g	300gd
200 g	WM-G89-7	2	200.00312638	200.00251403	0.00014526	CC1201_200g	200gd
100 g	WM-G89-7	3	100.00073062	100.00042445	0.00006150	AT106_100G	100grl
50 g	WM-G89-7	4	50.00039811	50.00024502	0.00003668	AT106_50G	50grl
30 g	WM-G89-7	5	30.00022727	30.00013541	0.00002854	AT106_50G	30grl
20 g	WM-G89-7	6	20.00042800	20.00036676	0.00001989	AT106_20G	20grl
10 g	WM-G89-7	7	10.00041969	10.00038907	0.00001605	AT106_10G	10grl
5 g	WM-G89-7	8	5.00027306	5.00025775	0.00000619	CCE6_5G	5grl
3 g	WM-G89-7	9	3.00028814	3.00027896	0.00000512	CCE6_5G	3grl
2 g	WM-G89-7	10	2.00008355	2.00007743	0.00000512	CCE6_5G	2grl
1 g	WM-G89-7	11	1.00002966	1.00002660	0.00000413	CCE6_1G	1grl
500 mg	WM-G89-7	12	0.50002973	0.50002820	0.00000343	CCE6_1G	500mgrl
200 mg	WM-G89-7	13	0.19997425	0.19997364	0.00000315	CCE6_1G	200mgrl
200 mg*	WM-G89-7	14	0.19996506	0.19996445	0.00000315	CCE6_1G	200mgrl
100 mg	WM-G89-7	15	0.09994222	0.09994192	0.00000218	CCCE6_100MG	100mgrl
50 mg	WM-G89-7	16	0.04999557	0.04999541	0.00000217	CCCE6_100MG	50mgrl
20 mg	WM-G89-7	17	0.02002049	0.02001459	0.00000214	CCCE6_100MG	20mgrl
20 mg*	WM-G89-7	18	0.02004934	0.02004343	0.00000214	CCCE6_100MG	20mgrl
10 mg	WM-G89-7	19	0.01000701	0.01000406	0.00000215	CCE6_10MG	10mgrl
5 mg	WM-G89-7	20	0.00497739	0.00497592	0.00000213	CCE6_10MG	5mgrl

*Due to handling, storage and/or environmental factors, the reported values are valid only while test items are within our control. No calibration periods or intervals are given with this report. We can not guarantee accuracy of results beyond the controls of our laboratory.*

*True Mass is the mass value in a vacuum. Conventional Mass is the mass value in a normal air environment. All values are "as found" unless stated differently in an attachment to the certification.*

*The uncertainty of measurement is determined using the uncertainty of the reference standard(s), standard deviation of the process, environmental factors and bias using a RSS calculation. Uncertainty values are calculated using a K factor of 2.*

Nebraska Standards Laboratory  
3721 West Cuming Street  
Lincoln, NE 68524  
(402) 471-2087

**SOP 4 - Double Substitution - Summary Of Test Results**

Agency ID: 80

Agency: Food Safety & Consumer Protection  
Area 80

NE Cert No: 20120124

Date: 10/22/2012

P.O. No:

Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Mike Johnson

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
2 mg	WM-G89-7	21	0.00201294	0.00201235	0.00000213	CCE6_10MG	2mgrl
2 mg*	WM-G89-7	22	0.00198923	0.00198865	0.00000213	CCE6_10MG	2mgrl

*Due to handling, storage and/or environmental factors, the reported values are valid only while test items are within our control. No calibration periods or intervals are given with this report. We can not guarantee accuracy of results beyond the controls of our laboratory.*

*True Mass is the mass value in a vacuum. Conventional Mass is the mass value in a normal air environment. All values are "as found" unless stated differently in an attachment to the certification.*

*The uncertainty of measurement is determined using the uncertainty of the reference standard(s), standard deviation of the process, environmental factors and bias using a RSS calculation. Uncertainty values are calculated using a K factor of 2.*

**Nebraska Standards Laboratory**  
**3721 West Cuming Street**  
**Lincoln, NE 68524**  
**(402) 471-2087**

**SOP 8 - Modified Substitution Test Results**

*Form No.: NE04LF9-R00*

Agency ID: 80  
 Agency: Food Safety & Consumer Protection  
 Area 80  
 , -

NE Cert No: 20120124  
 Date: 10/22/2012  
 P.O. No:  
 Observer: CEO

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
9-OPI-11	1	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0493293 g	0.091 g	0.0019022 g	A
9-OPI-11	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0490293 g	0.091 g	0.0019022 g	A
9-OPI-11	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0431293 g	0.091 g	0.0019022 g	A
9-OPI-11	4	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0280293 g	0.091 g	0.0019022 g	A
9-OPI-11	5	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0354293 g	0.091 g	0.0019022 g	A
9-OPI-11	6	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0249293 g	0.091 g	0.0019022 g	A
9-OPI-11	7	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0328293 g	0.091 g	0.0019022 g	A
9-OPI-11	8	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0514293 g	0.091 g	0.0019022 g	A
9-OPI-11	9	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0268293 g	0.091 g	0.0019022 g	A
9-OPI-11	10	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0463293 g	0.091 g	0.0019022 g	A
9-OPI-11	11	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0283293 g	0.091 g	0.0019022 g	A
9-OPI-11	12	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0480293 g	0.091 g	0.0019022 g	A
9-OPI-11	13	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0141293 g	0.091 g	0.0019022 g	A
9-OPI-11	14	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0523293 g	0.091 g	0.0019022 g	A
9-OPI-11	15	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0230445 g	0.07 g	0.0004523 g	A
9-OPI-11	16	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0221445 g	0.07 g	0.0004523 g	A
9-OPI-11	17	0	8 oz	CC1201_8 oz	NSL-8-1	0.0025207 g	0.045 g	0.0004066 g	A
9-OPI-11	18	0	4 oz	CC1201_8 oz	NSL-Z	-0.0030279 g	0.023 g	0.0003915 g	A
9-OPI-11	19	0	2 oz	AT106_0.2 lb	NSL-Y	-0.0000518 g	0.011 g	0.0000612 g	A
9-OPI-11	20	0	1 oz	AT106_0.2 lb	2A9-1oz	0.0018009 g	0.0054 g	0.0003667 g	A
9-OPI-11	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0015959 g	0.0028 g	0.0003638 g	A
9-OPI-11	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0003155 g	0.0017 g	0.0000269 g	A
9-OPI-11	24	0	0.0625 oz	AT106_0.05 lb	2A9-1.16oz	-0.0000886 g	0.0011 g	0.0000224 g	A
9-OPI-11	25	0	0.0625 oz*	AT106_0.05 lb	2A9-1.16oz	0.0006774 g	0.0011 g	0.0000224 g	A
9-OPI-11	26	0	0.3 lb	CC1201_8 oz	NSL-WK1	-0.0080103 g	0.027 g	0.0003969 g	A
9-OPI-11	27	0	0.2 lb	AT106_0.2 lb	NSL-WK2	-0.0030186 g	0.018 g	0.0000658 g	A

**Retest number - 0 indicates "as received" error / 1 indicates "adjusted to" error**

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Agency ID: 80  
 Agency: Food Safety & Consumer Protection  
 Area 80

NE Cert No: 20120124  
 Date: 10/22/2012  
 P.O. No:  
 Observer: CEO

Submitted By: Mike Johnson

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
9-OPI-11	28	0	0.1 lb	AT106_0.2 lb	NSL-WK3	-0.0006207 g	0.0091 g	0.0000597 g	A
9-OPI-11	29	0	0.05 lb	AT106_0.05 lb	NSL-WK4	-0.0003168 g	0.0045 g	0.0000363 g	A
9-OPI-11	30	0	0.03 lb	AT106_0.05 lb	NSL-WK5	-0.0010831 g	0.0027 g	0.0000293 g	A
9-OPI-11	31	0	0.02 lb	AT106_0.05 lb	NSL-WK6	-0.0016043 g	0.0018 g	0.0000284 g	A
9-OPI-11	32	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	-0.0014482 g	0.0015 g	0.0000103 g	A
9-OPI-11	33	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	-0.0001928 g	0.0012 g	0.0000090 g	A
9-OPI-11	34	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	-0.0003812 g	0.00099 g	0.0000086 g	A
9-OPI-11	35	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	-0.0004383 g	0.00087 g	0.0000064 g	A
9-OPI-11	36	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	-0.0002710 g	0.0007 g	0.0000063 g	A
9-OPI-11	37	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	-0.0001172 g	0.0007 g	0.0000063 g	A
NE-1	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2897793 g	1.1 g	0.0365186 g	R
NE-1	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3047793 g	1.1 g	0.0365186 g	A
NE-10	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.1047793 g	1.1 g	0.0365186 g	A
NE-11	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4197793 g	1.1 g	0.0365186 g	R
NE-11	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2147793 g	1.1 g	0.0365186 g	A
NE-12	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.1452207 g	1.1 g	0.0365186 g	A
NE-13	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2202207 g	1.1 g	0.0365186 g	A
NE-14	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3697793 g	1.1 g	0.0365186 g	A
NE-15	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3097793 g	1.1 g	0.0365186 g	A
NE-16	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8547793 g	1.1 g	0.0365186 g	A
NE-17	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.1597793 g	1.1 g	0.0365186 g	A
NE-18	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0447793 g	1.1 g	0.0365186 g	A
NE-19	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4847793 g	1.1 g	0.0365186 g	A
NE-2	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.1652207 g	1.1 g	0.0365186 g	A
NE-20	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0297793 g	1.1 g	0.0365186 g	A
NE-3	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.3002207 g	1.1 g	0.0365186 g	A
NE-4	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.6547793 g	1.1 g	0.0365186 g	R
NE-4	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.5647793 g	1.1 g	0.0365186 g	A
NE-5	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.2097793 g	1.1 g	0.0365186 g	A
NE-6	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.2247793 g	1.1 g	0.0365186 g	A
NE-7	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.1797793 g	1.1 g	0.0365186 g	A
NE-8	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3797793 g	1.1 g	0.0365186 g	A
NE-9	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7602207 g	1.1 g	0.0365186 g	A

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