



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 55

Date: 2/4/2013
Agency ID: 55
NE Cert No: 20130009
P.O. No:

Submitted By: Russ Todd

Electronic Copy Page 1

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
4 kg	3	1	4	A
5 gal	39423-I	1	VL	A
5 gal	39423-J	1	VL	A
2 lb	7A1	1	F	A
2 lb	7A1	2	F	A
2 lb	7A1	3	F	A
2 lb	7A1	4	F	A
2 lb	7A1	5	F	A
2 lb	7A1	6	F	A
2 lb	7A1	7	F	A
2 lb	7A1	8	F	A
2 lb	7A1	9	F	A
2 lb	7A1	10	F	A
2 lb	7A1	11	F	A
2 lb	7A1	12	F	A
2 lb	7A1	13	F	A
2 lb	7A1	14	F	A
1 lb	7A1	15	F	A
1 lb	7A1	16	F	A
8 oz	7A1	17	F	A
4 oz	7A1	18	F	A
2 oz	7A1	19	F	A
1 oz	7A1	20	F	A
0.5 oz	7A1	21	F	A
0.25 oz	7A1	22	F	A

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Administration
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Lincoln, NE 68502-5399
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Bureau of Animal Industry
P.O. Box 94987
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Weights and Measures
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Lincoln, NE 68509-4757
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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
0.125 oz	7A1	23	F	A
0.0625 oz	7A1	24	F	A
0.0625 oz*	7A1	25	F	A
0.3 lb	7A1	26	F	A
0.2 lb	7A1	27	F	A
0.1 lb	7A1	28	F	A
0.05 lb	7A1	29	F	A
0.03 lb	7A1	30	F	A
0.02 lb	7A1	31	F	A
0.01 lb	7A1	32	F	A
0.005 lb	7A1	33	F	A
0.003 lb	7A1	34	F	A
0.002 lb	7A1	35	F	A
0.001 lb	7A1	36	F	A
0.001 lb*	7A1	37	F	A
5 gal	99-10030-01	1	VL	A
5 gal	99-10030-02	1	VL	A
5 gal	99-10030-03	1	VL	A
1000 lb	A1	1	F	A
1000 lb	A10	1	F	A
1000 lb	A11	1	F	A
1000 lb	A12	1	F	A
1000 lb	A13	1	F	A
1000 lb	A15	1	F	A
1000 lb	A3	1	F	A
1000 lb	A4	1	F	A
1000 lb	A6	1	F	A
1000 lb	A7	1	F	A
1000 lb	B-15	1	F	A
1000 lb	B-1A	1	F	A
1000 lb	D-1	1	F	A
1000 lb	D-10	1	F	A
1000 lb	D-11	1	F	A
1000 lb	D-13	1	F	A
1000 lb	D-21	1	F	A
1000 lb	D-3	1	F	A

Submitted By: Russ Todd

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
1000 lb	D-4	1	F	A
1000 lb	D-5	1	F	A
2 kg	K4	1	F	A
25 lb	NE-41	1	F	A
25 lb	NE-42	1	F	A
25 lb	NE-43	1	F	A
25 lb	NE-44	1	F	A
25 lb	NE-45	1	F	A
25 lb	NE-46	1	F	A
25 lb	NE-47	1	F	A
25 lb	NE-48	1	F	A
25 lb	NE-49	1	F	A
25 lb	NE-50	1	F	A
25 lb	NE-51	1	F	A
25 lb	NE-52	1	F	A
25 lb	NE-53	1	F	A
25 lb	NE-54	1	F	A
25 lb	NE-55	1	F	A
25 lb	NE-56	1	F	A
25 lb	NE-57	1	F	A
25 lb	NE-58	1	F	A
25 lb	NE-59	1	F	A
25 lb	NE-60	1	F	A
1 kg	WM-2-89-1	1	F	A
500 g	WM-2-89-1	2	F	A
200 g	WM-2-89-1	3	F	A
200 g*	WM-2-89-1	4	F	A
100 g	WM-2-89-1	5	F	A
50 g	WM-2-89-1	6	F	A
20 g	WM-2-89-1	7	F	A
20 g*	WM-2-89-1	8	F	A
10 g	WM-2-89-1	9	F	A
5 g	WM-2-89-1	10	F	A
2 g	WM-2-89-1	11	F	A
2 g*	WM-2-89-1	12	F	A
1 g	WM-2-89-1	13	F	A
500 mg	WM-2-89-1	14	F	A
200 mg	WM-2-89-1	15	F	A
200 mg*	WM-2-89-1	16	F	A
100 mg	WM-2-89-1	17	F	A
5 lb	WM-2A86	1	F	A
5 lb	WM-2A86	2	F	A

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
5 lb	WM-2A86	3	F	A
5 lb	WM-2A86	4	F	A
5 lb	WM-2A86	5	F	A
1 lb	WM-2A86	6	F	A
1 lb	WM-2A86	7	F	A
1 lb	WM-2A86	8	F	A
1 lb	WM-2A86	9	F	A
1 lb	WM-2A86	10	F	A
8 oz	WM-2A86	11	F	A
4 oz	WM-2A86	12	F	A
2 oz	WM-2A86	13	F	A
1 oz	WM-2A86	14	F	A
0.5 oz	WM-2A86	15	F	A
0.25 oz	WM-2A86	16	F	A
0.125 oz	WM-2A86	17	F	A
0.0625 oz	WM-2A86	18	F	A
0.03125 oz	WM-2A86	19	F	A
0.03125 oz*	WM-2A86	20	F	A
25 lb	WM-D27	1	F	A
25 lb	WM-D31	1	F	A
25 lb	WM-D32	1	F	A
25 lb	WM-D33	1	F	A
25 lb	WM-D34	1	F	A
25 lb	WM-D35	1	F	A
25 lb	WM-D36	1	F	A
25 lb	WM-D37	1	F	A
25 lb	WM-D38	1	F	A
25 lb	WM-D39	1	F	A
25 lb	WM-D40	1	F	A
25 lb	WM-D41	1	F	A
25 lb	WM-D42	1	F	A
25 lb	WM-D43	1	F	A
25 lb	WM-D45	1	F	A
25 lb	WM-D46	1	F	A
25 lb	WM-D47	1	F	A
25 lb	WM-D48	1	F	A
25 lb	WM-D49	1	F	A
25 lb	WM-D50	1	F	A
1000 lb	WME18	1	F	A

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
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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: 55

Agency: Food Safety & Consumer Protection
Area 55

Form No.: NE03LF12-R00

NE Cert No: 20130009

Date: 2/4/2013

P.O. No:

Submitted By: Russ Todd

Page 1 of 10

Serial #: 39423-I
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	45 °F	0.999891	0 in3

Test Measure Information

Water Temperature: 45 °F
Water Density: 0.999891 g/cm³
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
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NE Cert No: 20130009

Date: 2/4/2013

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Submitted By: Russ Todd

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Serial #: 39423-I
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	45.5 °F	0.999877	0 in3

Test Measure Information

Water Temperature: 45.5 °F
Water Density: 0.999877 g/cm³
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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NE Cert No: 20130009

Date: 2/4/2013

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Serial #: 39423-J
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	46.4 °F	0.999848	0 in3

Test Measure Information

Water Temperature: 46.4 °F
Water Density: 0.999848 g/cm³
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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SOP 19 - Volume Transfer Test Results

Agency ID: 55

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Form No.: NE03LF12-R00

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Serial #: 39423-J
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	45.7 °F	0.999871	0 in3

Test Measure Information

Water Temperature: 45.7 °F
Water Density: 0.999871 g/cm³
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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Form No.: NE03LF12-R00

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Serial #: 99-10030-01
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	46.6 °F	0.999841	0 in3

Test Measure Information

Water Temperature: 46.6 °F
Water Density: 0.999841 g/cm³
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
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SOP 19 - Volume Transfer Test Results

Agency ID: 55

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Area 55

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Form No.: NE03LF12-R00

NE Cert No: 20130009

Date: 2/4/2013

P.O. No:

Submitted By: Russ Todd

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Serial #: 99-10030-01
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	45.6 °F	0.999874	0 in3

Test Measure Information

Water Temperature: 45.6 °F
Water Density: 0.999874 g/cm³
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
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SOP 19 - Volume Transfer Test Results

Agency ID: 55

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Serial #: 99-10030-02
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	50.6 °F	0.999669	0 in3

Test Measure Information

Water Temperature: 50.6 °F
Water Density: 0.999669 g/cm³
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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(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 55

Agency: Food Safety & Consumer Protection
Area 55

Form No.: NE03LF12-R00

NE Cert No: 20130009

Date: 2/4/2013

P.O. No:

Submitted By: Russ Todd

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Serial #: 99-10030-02
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	48 °F	0.999789	0 in3

Test Measure Information

Water Temperature: 48 °F
Water Density: 0.999789 g/cm³
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: 55

Agency: Food Safety & Consumer Protection
Area 55

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Form No.: NE03LF12-R00

NE Cert No: 20130009

Date: 2/4/2013

P.O. No:

Submitted By: Russ Todd

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Serial #: 99-10030-03
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	46.7 °F	0.999838	0 in3

Test Measure Information

Water Temperature: 46.7 °F
Water Density: 0.999838 g/cm³
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
(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 55

Agency: Food Safety & Consumer Protection
Area 55

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Serial #: 99-10030-03
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	45.7 °F	0.999871	0 in3

Test Measure Information

Water Temperature: 45.7 °F
Water Density: 0.999871 g/cm³
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 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

Agency ID: 55
 Agency: Food Safety & Consumer Protection
 Area 55
 , -

NE Cert No: 20130009
 Date: 2/4/2013
 P.O. No:
 Observer: CEO

Submitted By: Russ Todd

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
3	1	0	4 kg	CC10000S_5kg	2kgd	-0.0330574 g	0.08 g	0.0406123 g	A
7A1	1	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0160293 g	0.091 g	0.0018872 g	A
7A1	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0276293 g	0.091 g	0.0018872 g	A
7A1	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0282293 g	0.091 g	0.0018872 g	A
7A1	4	0	2 lb	CC1201_2 lb	NSL-2-1	0.0015707 g	0.091 g	0.0018872 g	A
7A1	5	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0350293 g	0.091 g	0.0018872 g	A
7A1	6	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0462293 g	0.091 g	0.0018872 g	A
7A1	7	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0447293 g	0.091 g	0.0018872 g	A
7A1	8	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0554293 g	0.091 g	0.0018872 g	A
7A1	9	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0092293 g	0.091 g	0.0018872 g	A
7A1	10	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0047293 g	0.091 g	0.0018872 g	A
7A1	11	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0400293 g	0.091 g	0.0018872 g	A
7A1	12	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0080293 g	0.091 g	0.0018872 g	A
7A1	13	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0504293 g	0.091 g	0.0018872 g	A
7A1	14	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0554293 g	0.091 g	0.0018872 g	A
7A1	15	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0067445 g	0.07 g	0.0004110 g	A
7A1	16	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0057445 g	0.07 g	0.0004110 g	A
7A1	17	0	8 oz	CC1201_8 oz	NSL-8-1	-0.0078793 g	0.045 g	0.0004161 g	A
7A1	18	0	4 oz	CC1201_8 oz	NSL-Z	-0.0048279 g	0.023 g	0.0004014 g	A
7A1	19	0	2 oz	AT106_0.2 lb	NSL-Y	0.0043782 g	0.011 g	0.0000429 g	A
7A1	20	0	1 oz	AT106_0.2 lb	2A9-1oz	0.0017949 g	0.0054 g	0.0003640 g	A
7A1	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0007119 g	0.0028 g	0.0003637 g	A
7A1	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	-0.0000925 g	0.0017 g	0.0000268 g	A
7A1	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	-0.0007010 g	0.0013 g	0.0000087 g	A
7A1	24	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0002808 g	0.0011 g	0.0000087 g	A
7A1	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	-0.0002333 g	0.0011 g	0.0000087 g	A

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

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.

"As received" values for weights may not be a true "as found" value because these weights could have been cleaned and/or repainted prior to submission to this lab. Due to handling, storage and/or environmental factors; the reported values are valid only while test items are within our control. No calibration period or interval is given with this report. We can not guarantee accuracy of results beyond the controls of our laboratory.

Agency ID: 55
 Agency: Food Safety & Consumer Protection
 Area 55

NE Cert No: 20130009
 Date: 2/4/2013
 P.O. No:
 Observer: CEO

Submitted By: Russ Todd

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
7A1	26	0	0.3 lb	CC1201_8 oz	NSL-WK1	-0.0010103 g	0.027 g	0.0004067 g	A
7A1	27	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0009184 g	0.018 g	0.0000492 g	A
7A1	28	0	0.1 lb	AT106_0.2 lb	NSL-WK3	-0.0050127 g	0.0091 g	0.0000407 g	A
7A1	29	0	0.05 lb	AT106_0.05 lb	NSL-WK4	-0.0008978 g	0.0045 g	0.0000362 g	A
7A1	30	0	0.03 lb	AT106_0.05 lb	NSL-WK5	-0.0020011 g	0.0027 g	0.0000291 g	A
7A1	31	0	0.02 lb	AT106_0.05 lb	NSL-WK6	-0.0010483 g	0.0018 g	0.0000282 g	A
7A1	32	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0009305 g	0.0015 g	0.0000102 g	A
7A1	33	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	-0.0000724 g	0.0012 g	0.0000090 g	A
7A1	34	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	-0.0005394 g	0.00099 g	0.0000085 g	A
7A1	35	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	0.0002862 g	0.00087 g	0.0000063 g	A
7A1	36	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0002053 g	0.0007 g	0.0000062 g	A
7A1	37	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	0.0002463 g	0.0007 g	0.0000062 g	A
A1	1	0	1000 lb	XP604KM_1K lb	C24	15.3792599 g	45 g	2.1028486 g	A
A10	1	0	1000 lb	XP604KM_1K lb	C24	5.7792599 g	45 g	2.1028486 g	A
A11	1	0	1000 lb	XP604KM_1K lb	C24	-18.5207401 g	45 g	2.1028486 g	A
A12	1	0	1000 lb	XP604KM_1K lb	C24	1.8792599 g	45 g	2.1028486 g	A
A13	1	0	1000 lb	XP604KM_1K lb	C24	23.2792599 g	45 g	2.1028486 g	A
A15	1	0	1000 lb	XP604KM_1K lb	C24	2.6792599 g	45 g	2.1028486 g	A
A3	1	0	1000 lb	XP604KM_1K lb	C24	22.7792599 g	45 g	2.1028486 g	A
A4	1	0	1000 lb	XP604KM_1K lb	C24	-27.4207401 g	45 g	2.1028486 g	A
A6	1	0	1000 lb	XP604KM_1K lb	C24	3.3792599 g	45 g	2.1028486 g	A
A7	1	0	1000 lb	XP604KM_1K lb	C24	6.9792599 g	45 g	2.1028486 g	A
B-15	1	0	1000 lb	XP604KM_1K lb	C24	14.6792599 g	45 g	2.1028486 g	A
B-1A	1	0	1000 lb	XP604KM_1K lb	C24	-40.5207401 g	45 g	2.1028486 g	A
D-1	1	0	1000 lb	XP604KM_1K lb	C24	15.8792599 g	45 g	2.1028486 g	A
D-10	1	0	1000 lb	XP604KM_1K lb	C24	-53.9207401 g	45 g	2.1028486 g	R
D-10	1	1	1000 lb	XP604KM_1K lb	C24	16.7792599 g	45 g	2.1028486 g	A
D-11	1	0	1000 lb	XP604KM_1K lb	C24	17.9792599 g	45 g	2.1028486 g	A
D-13	1	0	1000 lb	XP604KM_1K lb	C24	-1.9207401 g	45 g	2.1028486 g	A
D-21	1	0	1000 lb	XP604KM_1K lb	C24	-6.2207401 g	45 g	2.1028486 g	A
D-3	1	0	1000 lb	XP604KM_1K lb	C24	-64.5207401 g	45 g	2.1028486 g	R
D-3	1	1	1000 lb	XP604KM_1K lb	C24	23.6792599 g	45 g	2.1028486 g	A
D-4	1	0	1000 lb	XP604KM_1K lb	C24	-40.2207401 g	45 g	2.1028486 g	A

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D-4	1	1	1000 lb	XP604KM_1K lb	C24	14.3792599 g	45 g	2.1028486 g	A
D-5	1	0	1000 lb	XP604KM_1K lb	C24	-43.4207401 g	45 g	2.1028486 g	A
D-5	1	1	1000 lb	XP604KM_1K lb	C24	22.9792599 g	45 g	2.1028486 g	A
K4	1	0	2 kg	CC10000S_2kg	2kgd	-0.0531774 g	0.2 g	0.0038731 g	A
NE-41	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4597793 g	1.1 g	0.0357297 g	R
NE-41	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1297793 g	1.1 g	0.0357297 g	A
NE-42	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9797793 g	1.1 g	0.0357297 g	A
NE-43	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1097793 g	1.1 g	0.0357297 g	R
NE-43	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.1402207 g	1.1 g	0.0357297 g	A
NE-44	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.5497793 g	1.1 g	0.0357297 g	R
NE-44	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2697793 g	1.1 g	0.0357297 g	A
NE-45	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1947793 g	1.1 g	0.0357297 g	R
NE-45	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.2102207 g	1.1 g	0.0357297 g	A
NE-46	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1347793 g	1.1 g	0.0357297 g	R
NE-46	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3497793 g	1.1 g	0.0357297 g	A
NE-47	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8897793 g	1.1 g	0.0357297 g	A
NE-48	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8697793 g	1.1 g	0.0357297 g	A
NE-49	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9447793 g	1.1 g	0.0357297 g	A
NE-50	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.7247793 g	1.1 g	0.0357297 g	R
NE-50	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4097793 g	1.1 g	0.0357297 g	A
NE-51	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4147793 g	1.1 g	0.0357297 g	R
NE-51	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.5002207 g	1.1 g	0.0357297 g	A
NE-52	1	0	25 lb	KA30-3_25lb	NSL-25-1	2.1297793 g	1.1 g	0.0357297 g	R
NE-52	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.7997793 g	1.1 g	0.0357297 g	A
NE-53	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.5047793 g	1.1 g	0.0357297 g	R
NE-53	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0847793 g	1.1 g	0.0357297 g	A
NE-54	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.8197793 g	1.1 g	0.0357297 g	R
NE-54	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0802207 g	1.1 g	0.0357297 g	A
NE-55	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.6247793 g	1.1 g	0.0357297 g	R
NE-55	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1697793 g	1.1 g	0.0357297 g	A
NE-56	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4247793 g	1.1 g	0.0357297 g	R
NE-56	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0902207 g	1.1 g	0.0357297 g	A
NE-57	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.5797793 g	1.1 g	0.0357297 g	R

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NE-57	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0447793 g	1.1 g	0.0357297 g	A
NE-58	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.5147793 g	1.1 g	0.0357297 g	R
NE-58	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4297793 g	1.1 g	0.0357297 g	A
NE-59	1	0	25 lb	KA30-3_25lb	NSL-25-1	2.0797793 g	1.1 g	0.0357297 g	R
NE-59	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2347793 g	1.1 g	0.0357297 g	A
NE-60	1	0	25 lb	KA30-3_25lb	NSL-25-1	2.8897793 g	1.1 g	0.0357297 g	R
NE-60	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0052207 g	1.1 g	0.0357297 g	A
WM-2-89-1	1	0	1 kg	CC1201_1 kg	1kgd	0.0426716 g	0.1 g	0.0003576 g	A
WM-2-89-1	2	0	500 g	CC1201_1 kg	500gd	0.0360294 g	0.07 g	0.0003530 g	A
WM-2-89-1	3	0	200 g	CC1201_1 kg	200gd	0.0007214 g	0.04 g	0.0003517 g	A
WM-2-89-1	4	0	200 g*	CC1201_1 kg	200gd	-0.0051786 g	0.04 g	0.0003517 g	A
WM-2-89-1	5	0	100 g	AT106_100g	100gv	0.0133015 g	0.02 g	0.0000582 g	A
WM-2-89-1	6	0	50 g	AT106_50g	50gv	-0.0032652 g	0.01 g	0.0000191 g	A
WM-2-89-1	7	0	20 g	AT106_20g	20gv	0.0023506 g	0.004 g	0.0000087 g	A
WM-2-89-1	8	0	20 g*	AT106_20g	20gv	0.0021156 g	0.004 g	0.0000087 g	A
WM-2-89-1	9	0	10 g	AT106_10g	10gv	0.0009442 g	0.002 g	0.0000109 g	A
WM-2-89-1	10	0	5 g	CCE6_5 gm	5gv	0.0001273 g	0.0015 g	0.0000082 g	A
WM-2-89-1	11	0	2 g	CCE6_5 gm	2gv	0.0002319 g	0.0011 g	0.0000043 g	A
WM-2-89-1	12	0	2 g*	CCE6_5 gm	2gv	0.0006705 g	0.0011 g	0.0000043 g	A
WM-2-89-1	13	0	1 g	CCE6_1 gm	1gv	-0.0000144 g	0.0009 g	0.0000030 g	A
WM-2-89-1	14	0	500 mg	CCE6_1 gm	500mgv	0.0000460 g	0.00072 g	0.0000029 g	A
WM-2-89-1	15	0	200 mg	CCE6_1 gm	200mgv	0.0000070 g	0.00054 g	0.0000028 g	A
WM-2-89-1	16	0	200 mg*	CCE6_1 gm	200mgv	0.0002085 g	0.00054 g	0.0000028 g	A
WM-2-89-1	17	0	100 mg	CCE6_100 mg	100mgv	-0.0001300 g	0.00043 g	0.0000046 g	A
WM-2A86	1	0	5 lb	CC10000S_5lb	NSL-5-1	-0.1462534 g	0.23 g	0.0014576 g	A
WM-2A86	2	0	5 lb	CC10000S_5lb	NSL-5-1	-0.1275534 g	0.23 g	0.0014576 g	A
WM-2A86	3	0	5 lb	CC10000S_5lb	NSL-5-1	-0.1355534 g	0.23 g	0.0014576 g	A
WM-2A86	4	0	5 lb	CC10000S_5lb	NSL-5-1	-0.1551534 g	0.23 g	0.0014576 g	A
WM-2A86	5	0	5 lb	CC10000S_5lb	NSL-5-1	-0.1105534 g	0.23 g	0.0014576 g	A
WM-2A86	6	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0226445 g	0.07 g	0.0004110 g	A
WM-2A86	7	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0089445 g	0.07 g	0.0004110 g	A
WM-2A86	8	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0276445 g	0.07 g	0.0004110 g	A
WM-2A86	9	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0043445 g	0.07 g	0.0004110 g	A

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WM-2A86	10	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0007445 g	0.07 g	0.0004110 g	A
WM-2A86	11	0	8 oz	CC1201_8 oz	NSL-8-1	-0.0432793 g	0.045 g	0.0004161 g	A
WM-2A86	12	0	4 oz	CC1201_8 oz	NSL-Z	0.0065721 g	0.023 g	0.0004014 g	A
WM-2A86	13	0	2 oz	AT106_0.2 lb	NSL-Y	0.0049412 g	0.011 g	0.0000429 g	A
WM-2A86	14	0	1 oz	AT106_0.2 lb	2A9-1oz	0.0027779 g	0.0054 g	0.0003640 g	A
WM-2A86	15	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0003749 g	0.0028 g	0.0003637 g	A
WM-2A86	16	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0006455 g	0.0017 g	0.0000268 g	A
WM-2A86	17	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	0.0005892 g	0.0013 g	0.0000087 g	A
WM-2A86	18	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0001578 g	0.0011 g	0.0000087 g	A
WM-2A86	19	0	0.03125 oz	CCE6_0.01 lb	2A9-1.32oz	0.0002068 g	0.00087 g	0.0000073 g	A
WM-2A86	20	0	0.03125 oz*	CCE6_0.01 lb	2A9-1.32oz	0.0004898 g	0.00087 g	0.0000073 g	A
WM-D27	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9997793 g	1.1 g	0.0357297 g	A
WM-D31	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8047793 g	1.1 g	0.0357297 g	A
WM-D32	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2102207 g	1.1 g	0.0357297 g	A
WM-D33	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.1047793 g	1.1 g	0.0357297 g	A
WM-D34	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5597793 g	1.1 g	0.0357297 g	A
WM-D35	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0347793 g	1.1 g	0.0357297 g	A
WM-D36	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2452207 g	1.1 g	0.0357297 g	A
WM-D37	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4497793 g	1.1 g	0.0357297 g	R
WM-D37	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0897793 g	1.1 g	0.0357297 g	A
WM-D38	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8052207 g	1.1 g	0.0357297 g	A
WM-D38	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1197793 g	1.1 g	0.0357297 g	A
WM-D39	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4947793 g	1.1 g	0.0357297 g	A
WM-D40	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.2597793 g	1.1 g	0.0357297 g	A
WM-D41	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2252207 g	1.1 g	0.0357297 g	A
WM-D42	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2297793 g	1.1 g	0.0357297 g	R
WM-D42	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4497793 g	1.1 g	0.0357297 g	A
WM-D43	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6897793 g	1.1 g	0.0357297 g	A
WM-D45	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.3202207 g	1.1 g	0.0357297 g	A
WM-D46	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2602207 g	1.1 g	0.0357297 g	A
WM-D47	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6397793 g	1.1 g	0.0357297 g	A
WM-D48	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2502207 g	1.1 g	0.0357297 g	A
WM-D49	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0897793 g	1.1 g	0.0357297 g	A

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WM-D50	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9847793 g	1.1 g	0.0357297 g	A
WME18	1	0	1000 lb	XP604KM_1K lb	C24	42.3792599 g	45 g	2.1028486 g	A

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