



**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 60

**Date:** 6/24/2014  
**Agency ID:** 60  
**NE Cert No:** 20140057  
**P.O. No:**

**Submitted By:** Todd Blaske

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
5 gal	05-41609-15	1	VL	A
5 gal	05-41610-03	1	VL	A
5 gal	05-41610-08	1	VL	A
5 gal	06-01161	1	VL	A
5 gal	06-01165	1	VL	A
0.3 lb	10-OPI-10A	1	F	A
0.2 lb	10-OPI-10A	2	F	A
0.1 lb	10-OPI-10A	3	F	A
0.05 lb	10-OPI-10A	4	F	A
0.03 lb	10-OPI-10A	5	F	A
0.02 lb	10-OPI-10A	6	F	A
0.01 lb	10-OPI-10A	7	F	A
0.005 lb	10-OPI-10A	8	F	A
0.003 lb	10-OPI-10A	9	F	A
0.002 lb	10-OPI-10A	10	F	A
0.001 lb	10-OPI-10A	11	F	A
0.001 lb*	10-OPI-10A	12	F	A
2 lb	14A9	1	F	A
2 lb	14A9	2	F	A
2 lb	14A9	3	F	A
2 lb	14A9	4	F	A
2 lb	14A9	5	F	A
2 lb	14A9	6	F	A
2 lb	14A9	7	F	A
2 lb	14A9	8	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  
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FAX: (402) 471-0091

Bureau of Animal Industry  
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Bureau of Dairies & Foods  
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Bureau of Plant Industry  
P.O. Box 94956  
Lincoln, NE 68509-4756  
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Lincoln, NE 68509-4757  
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FAX: (402) 471-2759

Submitted By: Todd Blaske

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
2 lb	14A9	9	F	A
2 lb	14A9	10	F	A
2 lb	14A9	11	F	A
2 lb	14A9	12	F	A
2 lb	14A9	13	F	A
2 lb	14A9	14	F	A
1 lb	14A9	15	F	A
1 lb	14A9	16	F	A
8 oz	14A9	17	F	A
4 oz	14A9	18	F	A
2 oz	14A9	19	F	A
1 oz	14A9	20	F	A
0.5 oz	14A9	21	F	A
0.25 oz	14A9	22	F	A
0.125 oz	14A9	23	F	A
0.0625 oz	14A9	24	F	A
0.0625 oz*	14A9	25	F	A
15 lb	WM15-15	1	6	A
15 lb	WM15-16	1	6	A
25 lb	WM25-105	1	F	A
25 lb	WM25-107	1	F	A
25 lb	WM25-108	1	F	A
25 lb	WM25-109	1	F	A
25 lb	WM25-111	1	F	A
25 lb	WM25-112	1	F	A
25 lb	WM25-120	1	F	A
25 lb	WM25-123	1	F	A
25 lb	WM25-126	1	F	A
25 lb	WM25-128	1	F	A
25 lb	WM25-129	1	F	A
25 lb	WM25-130	1	F	A
25 lb	WM25-134	1	F	A
25 lb	WM25-25	1	F	A
25 lb	WM25-32	1	F	A
25 lb	WM25-36	1	F	A
25 lb	WM25-40	1	F	A

Submitted By: Todd Blaske


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Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
25 lb	WM25-51	1	F	A
25 lb	WM25-52	1	F	A
25 lb	WM25-53	1	F	A
4 kg	WM-8	1	4	A
300 g	WM-G89-6	1	4	A
200 g	WM-G89-6	2	4	A
100 g	WM-G89-6	3	4	A
50 g	WM-G89-6	4	4	A
30 g	WM-G89-6	5	4	A
20 g	WM-G89-6	6	4	A
10 g	WM-G89-6	7	4	A
5 g	WM-G89-6	8	4	A
3 g	WM-G89-6	9	4	A
2 g	WM-G89-6	10	4	A
1 g	WM-G89-6	11	4	A
500 mg	WM-G89-6	12	4	A
200 mg	WM-G89-6	13	4	A
200 mg*	WM-G89-6	14	4	A
100 mg	WM-G89-6	15	4	A
50 mg	WM-G89-6	16	4	A
20 mg	WM-G89-6	17	4	A
20 mg*	WM-G89-6	18	4	A
10 mg	WM-G89-6	19	4	A
5 mg	WM-G89-6	20	4	A
2 mg	WM-G89-6	21	4	A
2 mg*	WM-G89-6	22	4	A
1 mg	WM-G89-6	23	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: 60

Agency: Food Safety & Consumer Protection  
Area 60

Form No.: NE03LF12-R00

NE Cert No: 20140057

Date: 6/24/2014

P.O. No:

Submitted By: Todd Blaske

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Serial #: 05-41609-15  
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	63.5 °F	0.998685	0 in3

**Test Measure Information**

Water Temperature: 63.6 °F  
Water Density: 0.998685 g/cm<sup>3</sup>  
Scale Reading: -0.1 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9996 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0021 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 #: 05-41609-15  
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	63.2 °F	0.998715	0 in3

**Test Measure Information**

Water Temperature: 63.4 °F  
Water Density: 0.998715 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: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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Serial #: 05-41610-03  
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	65.3 °F	0.998500	0 in3

**Test Measure Information**

Water Temperature: 65.3 °F  
Water Density: 0.998500 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: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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**SOP 19 - Volume Transfer Test Results**

Agency ID: 60

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Serial #: 05-41610-03  
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	64 °F	0.998635	0 in3

**Test Measure Information**

Water Temperature: 64 °F  
Water Density: 0.998635 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: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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**SOP 19 - Volume Transfer Test Results**

Agency ID: 60

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Form No.: NE03LF12-R00

NE Cert No: 20140057

Date: 6/24/2014

P.O. No:

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Serial #: 05-41610-08  
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	64.3 °F	0.998604	0 in3

**Test Measure Information**

Water Temperature: 64.4 °F  
Water Density: 0.998604 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: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*



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**SOP 19 - Volume Transfer Test Results**

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Serial #: 05-41610-08  
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	63.5 °F	0.998685	0 in3

**Test Measure Information**

Water Temperature: 63.6 °F  
Water Density: 0.998685 g/cm<sup>3</sup>  
Scale Reading: -0.1 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9996 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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Date: 6/24/2014

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Serial #: 06-01161  
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	63.2 °F	0.998715	0 in3

**Test Measure Information**

Water Temperature: 63.3 °F  
Water Density: 0.998715 g/cm<sup>3</sup>  
Scale Reading: 0.2 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9983 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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**SOP 19 - Volume Transfer Test Results**

Agency ID: 60

Agency: Food Safety & Consumer Protection  
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Serial #: 06-01161  
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	63 °F	0.998734	0 in3

**Test Measure Information**

Water Temperature: 63.1 °F  
Water Density: 0.998734 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: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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

Agency ID: 60

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Serial #: 06-01161  
Retest #: 2  
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	63.2 °F	0.998715	0 in3

**Test Measure Information**

Water Temperature: 63.2 °F  
Water Density: 0.998715 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: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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

Agency ID: 60

Agency: Food Safety & Consumer Protection  
Area 60

Form No.: NE03LF12-R00

NE Cert No: 20140057

Date: 6/24/2014

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Serial #: 06-01165  
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	63.5 °F	0.998685	0 in3

**Test Measure Information**

Water Temperature: 63.7 °F  
Water Density: 0.998685 g/cm<sup>3</sup>  
Scale Reading: -0.1 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9996 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0021 gal.

Accepted/Rejected: A

*1 cubic meter = 264.172 gallons*

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**SOP 19 - Volume Transfer Test Results**

Agency ID: 60

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Form No.: NE03LF12-R00

NE Cert No: 20140057

Date: 6/24/2014

P.O. No:

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Serial #: 06-01165  
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	63.3 °F	0.998705	0 in3

**Test Measure Information**

Water Temperature: 63.5 °F  
Water Density: 0.998705 g/cm<sup>3</sup>  
Scale Reading: -0.1 cu.in.

**Test Results**

Test Measure Volume @ 60° F at zero scale reading: 4.9996 gal.  
Tolerance: 0.0025 gal.  
Uncertainty: 0.0021 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: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
10-OPI-10A	1	0	0.3 lb	CC1201_8 oz	NSL-WK1	-0.0087420 g	0.027 g	0.0005104 g	A
10-OPI-10A	2	0	0.2 lb	AT106_0.2 lb	NSL-WK2	-0.0034510 g	0.018 g	0.0000628 g	A
10-OPI-10A	3	0	0.1 lb	AT106_0.2 lb	NSL-WK3	-0.0029240 g	0.0091 g	0.0000504 g	A
10-OPI-10A	4	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0017390 g	0.0045 g	0.0000272 g	A
10-OPI-10A	5	0	0.03 lb	AT106_0.05 lb	NSL-WK5	-0.0022160 g	0.0027 g	0.0000241 g	A
10-OPI-10A	6	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0003240 g	0.0018 g	0.0000231 g	A
10-OPI-10A	7	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	-0.0007181 g	0.0015 g	0.0001934 g	A
10-OPI-10A	8	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	-0.0002659 g	0.0012 g	0.0001934 g	A
10-OPI-10A	9	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	-0.0007221 g	0.00099 g	0.0001933 g	A
10-OPI-10A	10	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	-0.0006847 g	0.00087 g	0.0001933 g	A
10-OPI-10A	11	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0000529 g	0.0007 g	0.0001933 g	A
10-OPI-10A	12	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	-0.0003313 g	0.0007 g	0.0001933 g	A
14A9	1	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0605800 g	0.091 g	0.0005970 g	A
14A9	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0189800 g	0.091 g	0.0005970 g	A
14A9	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0612800 g	0.091 g	0.0005970 g	A
14A9	4	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0266800 g	0.091 g	0.0005970 g	A
14A9	5	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0418800 g	0.091 g	0.0005970 g	A
14A9	6	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0298800 g	0.091 g	0.0005970 g	A
14A9	7	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0161800 g	0.091 g	0.0005970 g	A
14A9	8	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0294800 g	0.091 g	0.0005970 g	A
14A9	9	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0582800 g	0.091 g	0.0005970 g	A
14A9	10	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0009800 g	0.091 g	0.0005970 g	A
14A9	11	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0196800 g	0.091 g	0.0005970 g	A
14A9	12	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0421800 g	0.091 g	0.0005970 g	A
14A9	13	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0589800 g	0.091 g	0.0005970 g	A
14A9	14	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0371800 g	0.091 g	0.0005970 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.**

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Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Page 2 of 3

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
14A9	15	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0176200 g	0.07 g	0.0004591 g	A
14A9	16	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0258200 g	0.07 g	0.0004591 g	A
14A9	17	0	8 oz	CC1201_8 oz	NSL-8-1	0.0129300 g	0.045 g	0.0005132 g	A
14A9	18	0	4 oz	CC1201_8 oz	NSL-Z	0.0085440 g	0.023 g	0.0005104 g	A
14A9	19	0	2 oz	AT106_0.2 lb	NSL-Y	0.0089460 g	0.011 g	0.0000514 g	A
14A9	20	0	1 oz	AT106_0.2 lb	2A9-1oz	-0.0003530 g	0.0054 g	0.0000485 g	A
14A9	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	-0.0002340 g	0.0028 g	0.0000241 g	A
14A9	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0008250 g	0.0017 g	0.0000231 g	A
14A9	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	-0.0005766 g	0.0013 g	0.0001934 g	A
14A9	24	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0004945 g	0.0011 g	0.0001933 g	A
14A9	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	0.0006366 g	0.0011 g	0.0001933 g	A
WM15-15	1	0	15 lb	KA30-3_25lb	NEBR-STD-15	0.3356690 g	0.5 g	0.0364211 g	A
WM15-16	1	0	15 lb	KA30-3_25lb	NEBR-STD-15	0.2956690 g	0.5 g	0.0364211 g	A
WM25-105	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8770000 g	1.1 g	0.0419651 g	A
WM25-107	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5770000 g	1.1 g	0.0419651 g	A
WM25-108	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9520000 g	1.1 g	0.0419651 g	A
WM25-109	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9670000 g	1.1 g	0.0419651 g	A
WM25-111	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2220000 g	1.1 g	0.0419651 g	R
WM25-111	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1320000 g	1.1 g	0.0419651 g	A
WM25-112	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1170000 g	1.1 g	0.0419651 g	R
WM25-112	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2370000 g	1.1 g	0.0419651 g	A
WM25-120	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1920000 g	1.1 g	0.0419651 g	R
WM25-120	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0530000 g	1.1 g	0.0419651 g	A
WM25-123	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3770000 g	1.1 g	0.0419651 g	R
WM25-123	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4920000 g	1.1 g	0.0419651 g	A
WM25-126	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4420000 g	1.1 g	0.0419651 g	R
WM25-126	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.2930000 g	1.1 g	0.0419651 g	A
WM25-128	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9470000 g	1.1 g	0.0419651 g	A
WM25-129	1	0	25 lb	KA30-3_25lb	NSL-25-1	2.4570000 g	1.1 g	0.0419651 g	R
WM25-129	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.7170000 g	1.1 g	0.0419651 g	A
WM25-130	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2670000 g	1.1 g	0.0419651 g	R
WM25-130	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0630000 g	1.1 g	0.0419651 g	A
WM25-134	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4570000 g	1.1 g	0.0419651 g	R

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Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

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 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM25-134	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4420000 g	1.1 g	0.0419651 g	A
WM25-25	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7370000 g	1.1 g	0.0419651 g	A
WM25-32	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3570000 g	1.1 g	0.0419651 g	R
WM25-32	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3570000 g	1.1 g	0.0419651 g	A
WM25-36	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5420000 g	1.1 g	0.0419651 g	A
WM25-40	1	0	25 lb	KA30-3_25lb	NSL-25-1	3.1920000 g	1.1 g	0.0419651 g	R
WM25-40	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0380000 g	1.1 g	0.0419651 g	A
WM25-51	1	0	25 lb	KA30-3_25lb	NSL-25-1	3.2170000 g	1.1 g	0.0419651 g	R
WM25-51	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0880000 g	1.1 g	0.0419651 g	A
WM25-52	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3520000 g	1.1 g	0.0419651 g	R
WM25-52	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1920000 g	1.1 g	0.0419651 g	A
WM25-53	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8270000 g	1.1 g	0.0419651 g	A
WM-8	1	0	4 kg	CC10000S_5kg	4kg_3kg1kg**	0.0556390 g	0.08 g	0.1350073 g	A

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

**SOP 5 - 3-1 Weighing Design - Summary Of Test Results**

Form No.: NE04LF4-R00

Agency ID: 60  
Agency: Food Safety & Consumer Protection  
Area 60

NE Cert No: 20140057  
Date: 6/24/2014  
P.O. No:  
Observer: CEO

Submitted By: Todd Blaske

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-6	1	300.00390730	300.00298879	0.00014441	CC1201_300g	300gd
200 g	WM-G89-6	2	200.00182117	200.00120883	0.00013428	CC1201_200g	200gd
100 g	WM-G89-6	3	100.00074999	100.00044382	0.00003594	AT106_100g	100grl
50 g	WM-G89-6	4	50.00039207	50.00023898	0.00002745	AT106_50g	50grl
30 g	WM-G89-6	5	30.00005530	29.99996345	0.00002513	AT106_50g	30grl
20 g	WM-G89-6	6	20.00020172	20.00014048	0.00001449	AT106_20g	20grl
10 g	WM-G89-6	7	10.00029302	10.00026240	0.00001813	AT106_10g	10grl
5 g	WM-G89-6	8	5.00012418	5.00010887	0.00000582	CCE6_5G	5grl
3 g	WM-G89-6	9	3.00027990	3.00027072	0.00000554	CCE6_5G	3grl
2 g	WM-G89-6	10	2.00009673	2.00009060	0.00000546	CCE6_5G	2grl
1 g	WM-G89-6	11	1.00005556	1.00005250	0.00000345	CCE6_1G	1grl
500 mg	WM-G89-6	12	0.49994905	0.49994752	0.00000338	CCE6_1G	500mgrl
200 mg	WM-G89-6	13	0.20000650	0.20000589	0.00000333	CCE6_1G	200mgrl
200 mg*	WM-G89-6	14	0.19996105	0.19996044	0.00000333	CCE6_1G	200mgrl
100 mg	WM-G89-6	15	0.09995678	0.09995648	0.00000353	CCE6_100MG	100mgrl
50 mg	WM-G89-6	16	0.04999471	0.04999456	0.00000345	CCE6_100MG	50mgrl
20 mg	WM-G89-6	17	0.02002443	0.02001854	0.00000342	CCE6_100MG	20mgrl
20 mg*	WM-G89-6	18	0.01999820	0.01999231	0.00000342	CCE6_100MG	20mgrl
10 mg	WM-G89-6	19	0.01000865	0.01000571	0.00000222	CCE6_10MG	10mgrl
5 mg	WM-G89-6	20	0.00501314	0.00501166	0.00000222	CCE6_10MG	5mgrl

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*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.*

Agency ID: 60  
Agency: Food Safety & Consumer Protection  
Area 60  
, -

NE Cert No: 20140057  
Date: 6/24/2014  
P.O. No:  
Observer: CEO

Submitted By: Todd Blaske

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
2 mg	WM-G89-6	21	0.00198871	0.00198813	0.00000222	CCE6_10MG	2mgrl
2 mg*	WM-G89-6	22	0.00199374	0.00199316	0.00000222	CCE6_10MG	2mgrl
1 mg	WM-G89-6	23	0.00100098	0.00100069	0.00000223	CCE6_10MG	1mgrl

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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.8 °C
Weight #:	1	Pressure:	763.5 mm/Hg
Retest #:	0	Rel Humidity:	54 %
Denomination:	300 g	Comparator Used:	CC1201_300g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000396 g
Eq Wt/grams:	300 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0003000 g	S: 300gd	300.000915 g	0.000058 g	7.85 g/cm3
X+Tx:	0.0035000 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0138000 g	Sc1: 300g	300.003333 g	0.000021 g	7.99 g/cm3
S+Ts+SW:	0.0109000 g	Sc2:	g	g	g/cm3
S+Ts:	0.0010000 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0043000 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0144000 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0113000 g	TotSc:	300.003333 g		
X+Tx:	0.0042000 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0045000 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0147000 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0144000 g				

Final Test Results

Short Term S.D.	-0.00005020 g	True Mass:	300.00390730 g
F-Test Value:	3	Conventional Mass:	300.00298879 g
F-Statistic:	1.61091971 g	Mx Correction:	0.00390730 g
Sc True Mass:	300.00331305 g	CMx Correction:	0.00298879 g
Sc - NIST:	-0.00001995 g	Tolerance Class:	4
Air Density:	0.00119633 g/cm3	Tolerance:	0.006 g
Uncer of Calib:	0.00014441 g		

Accept/Reject: A

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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Page 2 of 23

Serial #:	WM-G89-6	Temperature:	21.4 °C
Weight #:	2	Pressure:	763.5 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	200 g	Comparator Used:	CC1201_200g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000629 g
Eq Wt/grams:	200 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0001000 g	S: 200gd	200.000987 g	0.00004 g	7.85 g/cm3
X+Tx:	0.0011000 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0113000 g	Sc1: 200g	200.00251 g	0.000012 g	7.99 g/cm3
S+Ts+SW:	0.0106000 g	Sc2:	g	g	g/cm3
S+Ts:	0.0007000 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0026000 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0127000 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0106000 g	TotSc:	200.00251 g		
X+Tx:	0.0013000 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0026000 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0125000 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0113000 g				

Final Test Results

Short Term S.D.	-0.00006683 g		True Mass:	200.00182117 g
F-Test Value:	3		Conventional Mass:	200.00120883 g
F-Statistic:	1.12793690 g	*PASSED*	Mx Correction:	0.00182117 g
Sc True Mass:	200.00247211 g		CMx Correction:	0.00120883 g
Sc - NIST:	-0.00003789 g		Tolerance Class:	4
Air Density:	0.00119805 g/cm3		Tolerance:	0.004 g
Uncer of Calib:	0.00013428 g			

Accept/Reject: A

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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

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 Date: 6/24/2014  
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 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.5 °C
Weight #:	3	Pressure:	763.5 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	100 g	Comparator Used:	AT106_100g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000117 g
Eq Wt/grams:	100 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000120 g	S: 100grl	100.000145 g	0.000027 g	7.95 g/cm3
X+Tx:	0.0004120 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0104200 g	Sc1: 100gp	100.00118654 g	0.00001725 g	7.8 g/cm3
S+Ts+SW:	0.0100310 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000260 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0008240 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0108310 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100390 g	TotSc:	100.00118654 g		
X+Tx:	0.0004230 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0008260 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0108320 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0104290 g				

Final Test Results

Short Term S.D.	-0.00000144 g	True Mass:	100.00074999 g
F-Test Value:	2.91	Conventional Mass:	100.00044382 g
F-Statistic:	0.01519165 g	Mx Correction:	0.00074999 g
Sc True Mass:	100.00123051 g	CMx Correction:	0.00044382 g
Sc - NIST:	0.00004397 g	Tolerance Class:	4
Air Density:	0.00119760 g/cm3	Tolerance:	0.002 g
Uncer of Calib:	0.00003594 g		

Accept/Reject: A

Nebraska Standards Laboratory  
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 Lincoln, NE 68524  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60

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Date: 6/24/2014

P.O. No:

Observer: CEO

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Serial #:	WM-G89-6	Temperature:	21.5 °C
Weight #:	4	Pressure:	763.7 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	50 g	Comparator Used:	AT106_50g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000114 g
Eq Wt/grams:	50 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000010 g	S: 50grl	50.000063 g	0.000014 g	7.95 g/cm3
X+Tx:	0.0002260 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0102310 g	Sc1: 50gp	50.00061144 g	0.00001127 g	7.8 g/cm3
S+Ts+SW:	0.0100080 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000000 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0003980 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0104040 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100090 g	TotSc:	50.00061144 g		
X+Tx:	0.0002250 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0004000 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0104050 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0102310 g				

Final Test Results

Short Term S.D.	-0.00000118 g		True Mass:	50.00039207 g
F-Test Value:	3		Conventional Mass:	50.00023898 g
F-Statistic:	0.01069902 g	*PASSED*	Mx Correction:	0.00039207 g
Sc True Mass:	50.00060509 g		CMx Correction:	0.00023898 g
Sc - NIST:	-0.00000635 g		Tolerance Class:	4
Air Density:	0.00119792 g/cm3		Tolerance:	0.0012 g
Uncer of Calib:	0.00002745 g			

Accept/Reject: A

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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
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Serial #: WM-G89-6  
 Weight #: 5  
 Retest #: 0  
 Denomination: 30 g  
 Density: 7.84 g/cm3  
 Eq Wt/grams: 30 g

Temperature: 22 °C  
 Pressure: 763.2 mm/Hg  
 Rel Humidity: 54.5 %  
 Comparator Used: AT106\_50g  
 Pooled Std.Dev.: 0.0000114 g

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000050 g	S: 30grl	30.0000472 g	0.0000086 g	7.95 g/cm3
X+Tx:	-0.0000470 g	SW: 10mgrl	0.01000613 g	0.0000021 g	7.95 g/cm3
X+Tx+SW:	0.0099610 g	Sc1: 30gv	30.00030561 g	0.000017 g	7.85 g/cm3
S+Ts+SW:	0.0100210 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000150 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0002220 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0102300 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100350 g	TotSc:	30.00030561 g		
X+Tx:	-0.0000320 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0002250 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0102310 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0099790 g				

Final Test Results

Short Term S.D.	0.0000141 g	True Mass:	30.00005530 g
F-Test Value:	3	Conventional Mass:	29.99996345 g
F-Statistic:	0.01541724 g	Mx Correction:	0.00005530 g
Sc True Mass:	30.00030480 g	CMx Correction:	-0.00003655 g
Sc - NIST:	-0.00000081 g	Tolerance Class:	4
Air Density:	0.00119491 g/cm3	Tolerance:	0.0009 g
Uncer of Calib:	0.00002513 g		

Accept/Reject: A



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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.8 °C
Weight #:	6	Pressure:	763.2 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	20 g	Comparator Used:	AT106_20g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000052 g
Eq Wt/grams:	20 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000020 g	S: 20grl	20.000044 g	0.0000061 g	7.95 g/cm3
X+Tx:	0.0001200 g	SW: 10mgrl	0.01000613 g	0.0000021 g	7.95 g/cm3
X+Tx+SW:	0.0101260 g	Sc1: 20gp*	20.00017842 g	0.00001448 g	7.8 g/cm3
S+Ts+SW:	0.0100130 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000060 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000920 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100970 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100160 g	TotSc:	20.00017842 g		
X+Tx:	0.0001240 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000930 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100990 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0101320 g				

Final Test Results

Short Term S.D.	0.0000000 g	True Mass:	20.00020172 g
F-Test Value:	3	Conventional Mass:	20.00014048 g
F-Statistic:	0.00000084 g	Mx Correction:	0.00020172 g
Sc True Mass:	20.00018537 g	CMx Correction:	0.00014048 g
Sc - NIST:	0.00000695 g	Tolerance Class:	4
Air Density:	0.00119580 g/cm3	Tolerance:	0.0007 g
Uncer of Calib:	0.00001449 g		

Accept/Reject: A

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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
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Serial #:	WM-G89-6	Temperature:	21.8 °C
Weight #:	7	Pressure:	763.2 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	10 g	Comparator Used:	AT106_10g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000060 g
Eq Wt/grams:	10 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000010 g	S: 10grl	10.0000237 g	0.0000045 g	7.95 g/cm3
X+Tx:	0.0002490 g	SW: 10mgrl	0.01000613 g	0.0000021 g	7.95 g/cm3
X+Tx+SW:	0.0102540 g	Sc1: 10gp	10.00014973 g	0.00002033 g	7.8 g/cm3
S+Ts+SW:	0.0100070 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000000 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000940 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100980 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100040 g	TotSc:	10.00014973 g		
X+Tx:	0.0002470 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000950 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100980 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0102530 g				

Final Test Results

Short Term S.D.	-0.00000055 g	True Mass:	10.00029302 g
F-Test Value:	2.91	Conventional Mass:	10.00026240 g
F-Statistic:	0.00847118 g	Mx Correction:	0.00029302 g
Sc True Mass:	10.00014697 g	CMx Correction:	0.00026240 g
Sc - NIST:	-0.00000276 g	Tolerance Class:	4
Air Density:	0.00119580 g/cm3	Tolerance:	0.0005 g
Uncer of Calib:	0.00001813 g		

Accept/Reject: A

Nebraska Standards Laboratory  
 3721 West Cuming Street  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

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 P.O. No:  
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Serial #:	WM-G89-6	Temperature:	21.5 °C
Weight #:	8	Pressure:	763.5 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	5 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000015 g
Eq Wt/grams:	5 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000000 g	S: 5grl	5.0000207 g	0.0000024 g	7.95 g/cm3
X+Tx:	0.0000947 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0101016 g	Sc1: 5gp	5.00014749 g	0.00000451 g	7.8 g/cm3
S+Ts+SW:	0.0100098 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000041 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0001205 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0101275 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100139 g	TotSc:	5.00014749 g		
X+Tx:	0.0001001 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0001232 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0101293 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0101069 g				

Final Test Results

Short Term S.D.	-0.0000058 g	True Mass:	5.00012418 g
F-Test Value:	3	Conventional Mass:	5.00010887 g
F-Statistic:	0.14421871 g	Mx Correction:	0.00012418 g
Sc True Mass:	5.00015051 g	CMx Correction:	0.00010887 g
Sc - NIST:	0.00000302 g	Tolerance Class:	4
Air Density:	0.00119760 g/cm3	Tolerance:	0.00036 g
Uncer of Calib:	0.00000582 g		

Accept/Reject: A

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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

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Serial #:	WM-G89-6	Temperature:	21.5 °C
Weight #:	9	Pressure:	763.2 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	3 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000015 g
Eq Wt/grams:	3 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000001 g	S: 3grl	3.000017 g	0.0000016 g	7.95 g/cm3
X+Tx:	0.0002576 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0102639 g	Sc1: 3gv	3.00002706 g	0.00000027 g	7.95 g/cm3
S+Ts+SW:	0.0100083 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000008 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000060 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100121 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100087 g	TotSc:	3.00002706 g		
X+Tx:	0.0002579 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000066 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100129 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0102662 g				

Final Test Results

Short Term S.D.	0.00000003 g	True Mass:	3.00027990 g
F-Test Value:	3	Conventional Mass:	3.00027072 g
F-Statistic:	0.00035969 g	Mx Correction:	0.00027990 g
Sc True Mass:	3.00002128 g	CMx Correction:	0.00027072 g
Sc - NIST:	-0.00000578 g	Tolerance Class:	4
Air Density:	0.00119713 g/cm3	Tolerance:	0.0003 g
Uncer of Calib:	0.00000554 g		

Accept/Reject: A

Nebraska Standards Laboratory  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

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 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.7 °C
Weight #:	10	Pressure:	763.1 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	2 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000015 g
Eq Wt/grams:	2 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000003 g	S: 2grl	2.000013 g	0.0000013 g	7.95 g/cm3
X+Tx:	0.0000791 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0100846 g	Sc1: 2gp*	2.00004556 g	0.00000451 g	7.8 g/cm3
S+Ts+SW:	0.0100056 g	Sc2:	g	g	g/cm3
S+Ts:	-0.0000019 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000241 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100300 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100051 g	TotSc:	2.00004556 g		
X+Tx:	0.0000778 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000232 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100294 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0100841 g				

Final Test Results

Short Term S.D.	0.00000052 g	True Mass:	2.00009673 g
F-Test Value:	3	Conventional Mass:	2.00009060 g
F-Statistic:	0.11491319 g	Mx Correction:	0.00009673 g
Sc True Mass:	2.00004394 g	CMx Correction:	0.00009060 g
Sc - NIST:	-0.00000162 g	Tolerance Class:	4
Air Density:	0.00119608 g/cm3	Tolerance:	0.00026 g
Uncer of Calib:	0.00000546 g		

Accept/Reject: A

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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
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 Date: 6/24/2014  
 P.O. No:  
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Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.6 °C
Weight #:	11	Pressure:	763 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	1 g	Comparator Used:	CCE6_1G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000011 g
Eq Wt/grams:	1 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000000 g	S: 1grl	1.000011 g	0.0000012 g	7.95 g/cm3
X+Tx:	0.0000428 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0100489 g	Sc1: 1gp	1.00001007 g	0.00000373 g	7.8 g/cm3
S+Ts+SW:	0.0100072 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000003 g	Sc3:	g	g	g/cm3
Sc+Tsc:	-0.0000012 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100050 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100071 g	TotSc:	1.00001007 g		
X+Tx:	0.0000425 g	Ts:	g	g	g/cm3
Sc+TSc:	-0.0000024 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100037 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0100481 g				

Final Test Results

Short Term S.D.	0.00000035 g	True Mass:	1.00005556 g
F-Test Value:	3	Conventional Mass:	1.00005250 g
F-Statistic:	0.10505499 g	Mx Correction:	0.00005556 g
Sc True Mass:	1.00001189 g	CMx Correction:	0.00005250 g
Sc - NIST:	0.00000182 g	Tolerance Class:	4
Air Density:	0.00119637 g/cm3	Tolerance:	0.0002 g
Uncer of Calib:	0.00000345 g		

Accept/Reject: A

Nebraska Standards Laboratory  
 3721 West Cuming Street  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
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 P.O. No:  
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Serial #:	WM-G89-6	Temperature:	21.6 °C
Weight #:	12	Pressure:	763.9 mm/Hg
Retest #:	0	Rel Humidity:	55 %
Denomination:	500 mg	Comparator Used:	CCE6_1G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000011 g
Eq Wt/grams:	0.5 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000005 g	S: 500mgrl	0.50000305 g	0.00000097 g	7.95 g/cm3
X+Tx:	-0.0000542 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0099531 g	Sc1: 500mgp	0.4999794 g	0.00000435 g	7.95 g/cm3
S+Ts+SW:	0.0100084 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000019 g	Sc3:	g	g	g/cm3
Sc+Tsc:	-0.0000237 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0099833 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100101 g	TotSc:	0.4999794 g		
X+Tx:	-0.0000514 g	Ts:	g	g	g/cm3
Sc+TSc:	-0.0000217 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0099854 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0099571 g				

Final Test Results

Short Term S.D.	-0.00000012 g		True Mass:	0.49994905 g
F-Test Value:	3		Conventional Mass:	0.49994752 g
F-Statistic:	0.01182911 g	*PASSED*	Mx Correction:	-0.00005095 g
Sc True Mass:	0.49997692 g		CMx Correction:	-0.00005248 g
Sc - NIST:	-0.00000248 g		Tolerance Class:	4
Air Density:	0.00119773 g/cm3		Tolerance:	0.00016 g
Uncer of Calib:	0.00000338 g			

Accept/Reject: A

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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
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 Area 60

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Serial #:	WM-G89-6	Temperature:	21.5 °C
Weight #:	13	Pressure:	763.8 mm/Hg
Retest #:	0	Rel Humidity:	55 %
Denomination:	200 mg	Comparator Used:	CCE6_1G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000011 g
Eq Wt/grams:	0.2 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000002 g	S: 200mgrl	0.19999951 g	0.00000079 g	7.95 g/cm3
X+Tx:	0.0000069 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0100138 g	Sc1: 200mgp	0.19997616 g	0.00000303 g	7.95 g/cm3
S+Ts+SW:	0.0100072 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000004 g	Sc3:	g	g	g/cm3
Sc+Tsc:	-0.0000230 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0099841 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100067 g	TotSc:	0.19997616 g		
X+Tx:	0.0000063 g	Ts:	g	g	g/cm3
Sc+TSc:	-0.0000233 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0099833 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0100125 g				

Final Test Results

Short Term S.D.	-0.00000014 g		True Mass:	0.20000650 g
F-Test Value:	3		Conventional Mass:	0.20000589 g
F-Statistic:	0.01803959 g	*PASSED*	Mx Correction:	0.00000650 g
Sc True Mass:	0.19997660 g		CMx Correction:	0.00000589 g
Sc - NIST:	0.00000044 g		Tolerance Class:	4
Air Density:	0.00119802 g/cm3		Tolerance:	0.00012 g
Uncer of Calib:	0.00000333 g			

Accept/Reject: A



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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

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Serial #:	WM-G89-6	Temperature:	21.5 °C
Weight #:	14	Pressure:	763.5 mm/Hg
Retest #:	0	Rel Humidity:	55 %
Denomination:	200 mg*	Comparator Used:	CCE6_1G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000011 g
Eq Wt/grams:	0.2 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000002 g	S: 200mgrl	0.19999951 g	0.00000079 g	7.95 g/cm3
X+Tx:	-0.0000391 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0099675 g	Sc1: 200mgp	0.19997616 g	0.00000303 g	7.95 g/cm3
S+Ts+SW:	0.0100063 g	Sc2:	g	g	g/cm3
S+Ts:	-0.0000006 g	Sc3:	g	g	g/cm3
Sc+Tsc:	-0.0000238 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0099827 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100059 g	TotSc:	0.19997616 g		
X+Tx:	-0.0000399 g	Ts:	g	g	g/cm3
Sc+TSc:	-0.0000240 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0099826 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0099670 g				

Final Test Results

Short Term S.D.	-0.0000006 g	True Mass:	0.19996105 g
F-Test Value:	3	Conventional Mass:	0.19996044 g
F-Statistic:	0.00293127 g	Mx Correction:	-0.00003895 g
Sc True Mass:	0.19997634 g	CMx Correction:	-0.00003956 g
Sc - NIST:	0.00000018 g	Tolerance Class:	4
Air Density:	0.00119755 g/cm3	Tolerance:	0.00012 g
Uncer of Calib:	0.00000333 g		

Accept/Reject: A

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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

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Serial #:	WM-G89-6	Temperature:	21.3 °C
Weight #:	15	Pressure:	763.3 mm/Hg
Retest #:	0	Rel Humidity:	55 %
Denomination:	100 mg	Comparator Used:	CCE6_100MG
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000012 g
Eq Wt/grams:	0.1 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000004 g	S: 100mgrl	0.0999982 g	0.00000092 g	7.95 g/cm3
X+Tx:	-0.0000405 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0099665 g	Sc1: 100mgp	0.10000537 g	0.00000029 g	16.6 g/cm3
S+Ts+SW:	0.0100087 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000024 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000167 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100237 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100098 g	TotSc:	0.10000537 g		
X+Tx:	-0.0000385 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000172 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100239 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0099678 g				

Final Test Results

Short Term S.D.	-0.00000015 g		True Mass:	0.09995678 g
F-Test Value:	3		Conventional Mass:	0.09995648 g
F-Statistic:	0.01538843 g	*PASSED*	Mx Correction:	-0.00004322 g
Sc True Mass:	0.10000453 g		CMx Correction:	-0.00004352 g
Sc - NIST:	-0.00000084 g		Tolerance Class:	4
Air Density:	0.00119812 g/cm3		Tolerance:	0.0001 g
Uncer of Calib:	0.00000353 g			

Accept/Reject: A

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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #: WM-G89-6  
 Weight #: 16  
 Retest #: 0  
 Denomination: 50 mg  
 Density: 7.84 g/cm3  
 Eq Wt/grams: 0.05 g

Temperature: 21.6 °C  
 Pressure: 763.5 mm/Hg  
 Rel Humidity: 55 %  
 Comparator Used: CCE6\_100MG  
 Pooled Std.Dev.: 0.0000012 g

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000006 g	S: 50mgrl	0.05000374 g	0.00000048 g	7.95 g/cm3
X+Tx:	-0.0000098 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0099968 g	Sc1: 50mgp	0.04998184 g	0.00000312 g	7.95 g/cm3
S+Ts+SW:	0.0100058 g	Sc2:	g	g	g/cm3
S+Ts:	-0.0000009 g	Sc3:	g	g	g/cm3
Sc+Tsc:	-0.0000223 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0099844 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100063 g	TotSc:	0.04998184 g		
X+Tx:	-0.0000093 g	Ts:	g	g	g/cm3
Sc+TSc:	-0.0000216 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0099852 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0099978 g				

Final Test Results

Short Term S.D.	-0.0000006 g	True Mass:	0.04999471 g
F-Test Value:	3	Conventional Mass:	0.04999456 g
F-Statistic:	0.00243124 g	Mx Correction:	-0.00000529 g
Sc True Mass:	0.04998212 g	CMx Correction:	-0.00000544 g
Sc - NIST:	0.00000028 g	Tolerance Class:	4
Air Density:	0.00119710 g/cm3	Tolerance:	0.000085 g
Uncer of Calib:	0.00000345 g		

Accept/Reject: A

Nebraska Standards Laboratory  
 3721 West Cuming Street  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

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 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.7 °C
Weight #:	17	Pressure:	763.2 mm/Hg
Retest #:	0	Rel Humidity:	54 %
Denomination:	20 mg	Comparator Used:	CCE6_100MG
Density:	2.7 g/cm3	Pooled Std.Dev.:	0.0000012 g
Eq Wt/grams:	0.02 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000004 g	S: 20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm3
X+Tx:	0.0000275 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0100343 g	Sc1: 20mgp	0.02001115 g	0.00000032 g	7.95 g/cm3
S+Ts+SW:	0.0100082 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000028 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000166 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100233 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100113 g	TotSc:	0.02001115 g		
X+Tx:	0.0000330 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000195 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100262 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0100408 g				

Final Test Results

Short Term S.D.	0.00000020 g	True Mass:	0.02002443 g
F-Test Value:	3	Conventional Mass:	0.02001854 g
F-Statistic:	0.02980800 g	Mx Correction:	0.00002443 g
Sc True Mass:	0.02000464 g	CMx Correction:	0.00001854 g
Sc - NIST:	-0.00000651 g	Tolerance Class:	4
Air Density:	0.00119630 g/cm3	Tolerance:	0.00007 g
Uncer of Calib:	0.00000342 g		

Accept/Reject: A

Nebraska Standards Laboratory  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.6 °C
Weight #:	18	Pressure:	763 mm/Hg
Retest #:	0	Rel Humidity:	54 %
Denomination:	20 mg*	Comparator Used:	CCE6_100MG
Density:	2.7 g/cm3	Pooled Std.Dev.:	0.0000012 g
Eq Wt/grams:	0.02 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000078 g	S: 20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm3
X+Tx:	0.0000088 g	SW: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0100152 g	Sc1: 20mgp	0.02001115 g	0.00000032 g	7.95 g/cm3
S+Ts+SW:	0.0100153 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000094 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000232 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0100295 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0100168 g	TotSc:	0.02001115 g		
X+Tx:	0.0000113 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000241 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0100302 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0100176 g				

Final Test Results

Short Term S.D.	0.00000006 g	True Mass:	0.01999820 g
F-Test Value:	3	Conventional Mass:	0.01999231 g
F-Statistic:	0.00241771 g	Mx Correction:	-0.00000180 g
Sc True Mass:	0.02000508 g	CMx Correction:	-0.00000769 g
Sc - NIST:	-0.00000607 g	Tolerance Class:	4
Air Density:	0.00119643 g/cm3	Tolerance:	0.00007 g
Uncer of Calib:	0.00000342 g		

Accept/Reject: A

Nebraska Standards Laboratory  
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 (402) 471-2087

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	22.1 °C
Weight #:	19	Pressure:	763 mm/Hg
Retest #:	0	Rel Humidity:	54 %
Denomination:	10 mg	Comparator Used:	CCE6_10MG
Density:	2.7 g/cm3	Pooled Std.Dev.:	0.0000002 g
Eq Wt/grams:	0.01 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000007 g	S: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm3
X+Tx:	-0.0000003 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0050049 g	Sc1: 10mgp	0.01000819 g	0.00000023 g	7.95 g/cm3
S+Ts+SW:	0.0050051 g	Sc2:	g	g	g/cm3
S+Ts:	-0.0000003 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000033 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0050085 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0050057 g	TotSc:	0.01000819 g		
X+Tx:	0.0000006 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000039 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0050093 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0050062 g				

Final Test Results

Short Term S.D.	0.00000035 g		True Mass:	0.01000865 g
F-Test Value:	3		Conventional Mass:	0.01000571 g
F-Statistic:	2.26794649 g	*PASSED*	Mx Correction:	0.00000865 g
Sc True Mass:	0.01000913 g		CMx Correction:	0.00000571 g
Sc - NIST:	0.00000094 g		Tolerance Class:	4
Air Density:	0.00119421 g/cm3		Tolerance:	0.00006 g
Uncer of Calib:	0.00000222 g			

Accept/Reject: A

Nebraska Standards Laboratory  
 3721 West Cuming Street  
 Lincoln, NE 68524  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.7 °C
Weight #:	20	Pressure:	762.8 mm/Hg
Retest #:	0	Rel Humidity:	54 %
Denomination:	5 mg	Comparator Used:	CCE6_10MG
Density:	2.7 g/cm3	Pooled Std.Dev.:	0.0000002 g
Eq Wt/grams:	0.005 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000009 g	S: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx:	0.0000080 g	SW: 2mgrl	0.00200341 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0020122 g	Sc1: 5mgp	0.00501219 g	0.00000023 g	7.95 g/cm3
S+Ts+SW:	0.0020069 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000042 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000119 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0020159 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0020093 g	TotSc:	0.00501219 g		
X+Tx:	0.0000129 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000138 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0020174 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0020171 g				

Final Test Results

Short Term S.D.	0.00000020 g	True Mass:	0.00501314 g
F-Test Value:	3	Conventional Mass:	0.00501166 g
F-Statistic:	0.77309862 g	Mx Correction:	0.00001314 g
Sc True Mass:	0.00501239 g	CMx Correction:	0.00001166 g
Sc - NIST:	0.00000020 g	Tolerance Class:	4
Air Density:	0.00119567 g/cm3	Tolerance:	0.000055 g
Uncer of Calib:	0.00000222 g		

Accept/Reject: A

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

**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.7 °C
Weight #:	21	Pressure:	762.3 mm/Hg
Retest #:	0	Rel Humidity:	54.5 %
Denomination:	2 mg	Comparator Used:	CCE6_10MG
Density:	2.7 g/cm3	Pooled Std.Dev.:	0.0000002 g
Eq Wt/grams:	0.002 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000003 g	S: 2mgrl	0.00200341 g	0.00000021 g	7.95 g/cm3
X+Tx:	-0.0000146 g	SW: 3mgrl	0.003003 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0029896 g	Sc1: 2mgp	0.00201223 g	0.00000023 g	7.95 g/cm3
S+Ts+SW:	0.0030054 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000021 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000119 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0030161 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0030072 g	TotSc:	0.00201223 g		
X+Tx:	-0.0000112 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000135 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0030175 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0029932 g				

Final Test Results

Short Term S.D.	0.0000011 g	True Mass:	0.00198871 g
F-Test Value:	3	Conventional Mass:	0.00198813 g
F-Statistic:	0.24758098 g	Mx Correction:	-0.00001129 g
Sc True Mass:	0.00201269 g	CMx Correction:	-0.00001187 g
Sc - NIST:	0.00000046 g	Tolerance Class:	4
Air Density:	0.00119482 g/cm3	Tolerance:	0.00005 g
Uncer of Calib:	0.00000222 g		

Accept/Reject: A



Nebraska Standards Laboratory  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60  
 Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057  
 Date: 6/24/2014  
 P.O. No:  
 Observer: CEO

Submitted By: Todd Blaske

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Serial #: WM-G89-6  
 Weight #: 22  
 Retest #: 0  
 Denomination: 2 mg\*  
 Density: 2.7 g/cm3  
 Eq Wt/grams: 0.002 g

Temperature: 21.6 °C  
 Pressure: 763.5 mm/Hg  
 Rel Humidity: 53.5 %  
 Comparator Used: CCE6\_10MG  
 Pooled Std.Dev.: 0.0000002 g

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000155 g	S: 2mgrl	0.00200341 g	0.00000021 g	7.95 g/cm3
X+Tx:	0.0000052 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0050107 g	Sc1: 2mgp	0.00201223 g	0.00000023 g	7.95 g/cm3
S+Ts+SW:	0.0050211 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000159 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000254 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0050304 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0050209 g	TotSc:	0.00201223 g		
X+Tx:	0.0000051 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000246 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0050297 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0050101 g				

Final Test Results

Short Term S.D.	0.00000017 g	True Mass:	0.00199374 g
F-Test Value:	3	Conventional Mass:	0.00199316 g
F-Statistic:	0.56436188 g	Mx Correction:	-0.00000626 g
Sc True Mass:	0.00201281 g	CMx Correction:	-0.00000684 g
Sc - NIST:	0.00000058 g	Tolerance Class:	4
Air Density:	0.00119727 g/cm3	Tolerance:	0.00005 g
Uncer of Calib:	0.00000222 g		

Accept/Reject: A

Nebraska Standards Laboratory  
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**SOP 5 - 3-1 Weighing Design Test Results - Individual Weight**

Form No.: NE04LF3-R00

Agency ID: 60

Agency: Food Safety & Consumer Protection  
 Area 60

NE Cert No: 20140057

Date: 6/24/2014

P.O. No:

Observer: CEO

Submitted By: Todd Blaske

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Serial #:	WM-G89-6	Temperature:	21.7 °C
Weight #:	23	Pressure:	762.3 mm/Hg
Retest #:	0	Rel Humidity:	54 %
Denomination:	1 mg	Comparator Used:	CCE6_10MG
Density:	2.7 g/cm3	Pooled Std.Dev.:	0.0000002 g
Eq Wt/grams:	0.001 g		

Observations

State Standard Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000008 g	S: 1mgrl	0.00100509 g	0.00000025 g	7.95 g/cm3
X+Tx:	-0.0000032 g	SW: 2mgrl	0.00200341 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0020006 g	Sc1: 1mgp	0.00099541 g	0.00000214 g	7.95 g/cm3
S+Ts+SW:	0.0020056 g	Sc2:	g	g	g/cm3
S+Ts:	0.0000029 g	Sc3:	g	g	g/cm3
Sc+Tsc:	0.0000043 g	Sc4:	g	g	g/cm3
Sc+Tsc+SW:	0.0020081 g	Sc5:	g	g	g/cm3
S+Ts+SW:	0.0020075 g	TotSc:	0.00099541 g		
X+Tx:	-0.0000002 g	Ts:	g	g	g/cm3
Sc+TSc:	0.0000052 g	Tx:	g	g	g/cm3
Sc+TSc+SW:	0.0020087 g	Tsc:	g	g	g/cm3
X+Tx+SW:	0.0020037 g				

Final Test Results

Short Term S.D.	0.00000017 g	True Mass:	0.00100098 g
F-Test Value:	3	Conventional Mass:	0.00100069 g
F-Statistic:	0.56355137 g	Mx Correction:	0.00000098 g
Sc True Mass:	0.00100599 g	CMx Correction:	0.00000069 g
Sc - NIST:	0.00001058 g	Tolerance Class:	4
Air Density:	0.00119488 g/cm3	Tolerance:	0.00005 g
Uncer of Calib:	0.00000223 g		

Accept/Reject: A