



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: Dept of Ag. - Weights & Measures
120 Jackson
Norfolk, NE 68701-

Date: 6/27/2011
Agency ID: 50
NE Cert No: 20110077
P.O. No:

Submitted By: Ken Tichota

Electronic Copy Page 1

<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
5 gal	0236	1	VL	A
5 gal	0237	1	VL	A
5 gal	0238	1	VL	A
2 lb	12A9	1	F	A
2 lb	12A9	2	F	A
2 lb	12A9	3	F	A
2 lb	12A9	4	F	A
2 lb	12A9	5	F	A
2 lb	12A9	6	F	A
2 lb	12A9	7	F	A
2 lb	12A9	8	F	A
2 lb	12A9	9	F	A
2 lb	12A9	10	F	A
2 lb	12A9	11	F	A
2 lb	12A9	12	F	A
2 lb	12A9	13	F	A
2 lb	12A9	14	F	A
1 lb	12A9	15	F	A
1 lb	12A9	16	F	A
8 oz	12A9	17	F	A
4 oz	12A9	18	F	A
2 oz	12A9	19	F	A
1 oz	12A9	20	F	A
0.5 oz	12A9	21	F	A
0.25 oz	12A9	22	F	A

Department of Agriculture, 301 Centennial Mall South
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Administration
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Lincoln, NE 68509-4947
(402) 471-2341
FAX: (402) 471-6876

Agriculture Laboratories
3703 South 14th Street
Lincoln, NE 68502-5399
(402) 471-2176
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Bureau of Animal Industry
P.O. Box 94987
Lincoln, NE 68509-4787
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Bureau of Dairies & Foods
P.O. Box 95064
Lincoln, NE 68509-5064
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Bureau of Plant Industry
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Weights and Measures
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Lincoln, NE 68509-4757
(402) 471-4292
FAX: (402) 471-2759

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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	12A9	23	F	A
0.0625 oz	12A9	24	F	A
0.0625 oz*	12A9	25	F	A
0.3 lb	12A9	26	F	A
0.2 lb	12A9	27	F	A
0.1 lb	12A9	28	F	A
0.05 lb	12A9	29	F	A
0.03 lb	12A9	30	F	A
0.02 lb	12A9	31	F	A
0.01 lb	12A9	32	F	A
0.005 lb	12A9	33	F	A
0.003 lb	12A9	34	F	A
0.002 lb	12A9	35	F	A
0.001 lb	12A9	36	F	A
0.001 lb*	12A9	37	F	A
4 kg	5	1	4	A
5 gal	87276	1	VL	A
5 gal	87280	1	VL	A
0.2 lb	N-99-A	1	F	A
0.2 lb*	N-99-A	2	F	A
0.1 lb	N-99-A	3	F	A
0.05 lb	N-99-A	4	F	A
0.02 lb	N-99-A	5	F	A
0.02 lb*	N-99-A	6	F	A
0.01 lb	N-99-A	7	F	A
0.005 lb	N-99-A	8	F	A
0.002 lb	N-99-A	9	F	A
0.002 lb*	N-99-A	10	F	A
0.001 lb	N-99-A	11	F	A
25 lb	NE-100	1	F	A
25 lb	NE-81	1	F	A
25 lb	NE-82	1	F	A
25 lb	NE-83	1	F	A
25 lb	NE-84	1	F	A
25 lb	NE-85	1	F	A
25 lb	NE-86	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>
25 lb	NE-87	1	F	A
25 lb	NE-88	1	F	A
25 lb	NE-89	1	F	A
25 lb	NE-90	1	F	A
25 lb	NE-91	1	F	A
25 lb	NE-92	1	F	A
25 lb	NE-93	1	F	A
25 lb	NE-94	1	F	A
25 lb	NE-95	1	F	A
25 lb	NE-96	1	F	A
25 lb	NE-97	1	F	A
25 lb	NE-98	1	F	A
25 lb	NE-99	1	F	A
15 lb	WM15-13	1	6	A
15 lb	WM15-14	1	6	A
25 lb	WM25-106	1	F	A
25 lb	WM25-113	1	F	A
25 lb	WM25-27	1	F	A
25 lb	WM25-29	1	F	A
25 lb	WM25-65	1	F	A
25 lb	WM25-66	1	F	A
25 lb	WM25-67	1	F	A
25 lb	WM25-68	1	F	A
25 lb	WM25-69	1	F	A
25 lb	WM25-70	1	F	A
25 lb	WM25-71	1	F	A
25 lb	WM25-72	1	F	A
25 lb	WM25-73	1	F	A
25 lb	WM25-74	1	F	A
25 lb	WM-D1	1	F	A
25 lb	WM-D13	1	F	A
25 lb	WM-D14	1	F	A
25 lb	WM-D16	1	F	A
25 lb	WM-D2	1	F	A
25 lb	WM-D30	1	F	A
300 g	WM-G89-4	1	4	A
200 g	WM-G89-4	2	4	A
100 g	WM-G89-4	3	4	A
50 g	WM-G89-4	4	4	A
30 g	WM-G89-4	5	4	A
20 g	WM-G89-4	6	4	A
10 g	WM-G89-4	7	4	A

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Electronic Copy Page 4

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

Agency ID: 50
 Agency: Dept of Ag. - Weights & Measures
 120 Jackson
 Norfolk, NE 68701-

NE Cert No: 20110077
 Date: 6/27/2011
 P.O. No:
 Observer: CEO

Submitted By: Ken Tichota

Electronic Copy

Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 1
 Retest #: 0
 Denomination: 300 g
 Density: 7.84 g/cm³
 Eq Wt/grams: 300 g

Temperature: 23 °C
 Pressure: 763.5 mm/Hg
 Rel Humidity: 57.5 %
 Comparator Used: CC1201 / 1 kg
 Pooled Std.Dev.: 0.0000738 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0003 g	S: 300gd	300.00088843 g	0.0000219 g	7.85 g/cm ³
X+Tx:	-0.0001 g	SW: 5mg	0.00502155 g	0.00000027 g	8.5 g/cm ³
X+Tx+SW:	0.0051 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0055 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	300.00056020 g	Mx Correction:	0.00056020 g
Conventional Mass:	299.99964169 g	CMx Correction:	-0.00035831 g
Uncertainty:	0.00014956 g	Tolerance Class:	4
Air Density:	0.00119056 g/cm ³	Tolerance:	0.006 g
		Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 2
 Retest #: 0
 Denomination: 200 g
 Density: 7.84 g/cm³
 Eq Wt/grams: 200 g

Temperature: 23 °C
 Pressure: 763.5 mm/Hg
 Rel Humidity: 57.5 %
 Comparator Used: CC1201 / 1 kg
 Pooled Std.Dev.: 0.0000738 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0001 g	S: 200gd	200.00109475 g	0.00001552 g	7.85 g/cm ³
X+Tx:	0.0029 g	SW: 5mg	0.00502155 g	0.00000027 g	8.5 g/cm ³
X+Tx+SW:	0.0081 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0054 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	200.00388567 g	Mx Correction:	0.00388567 g
Conventional Mass:	200.00327333 g	CMx Correction:	0.00327333 g
Uncertainty:	0.00014876 g	Tolerance Class:	4
Air Density:	0.00119056 g/cm ³	Tolerance:	0.004 g
		Accept/Reject:	A

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Observer: CEO

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 3
 Retest #: 0
 Denomination: 100 g
 Density: 7.84 g/cm³
 Eq Wt/grams: 100 g

Temperature: 23 °C
 Pressure: 763.9 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: AT106_100G
 Pooled Std.Dev.: 0.0000156 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.000081 g	S: 100grl	100.000135 g	0.00006 g	7.95 g/cm ³
X+Tx:	0.000474 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm ³
X+Tx+SW:	0.005484 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.005101 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	100.00073291 g	Mx Correction:	0.00073291 g
Conventional Mass:	100.00042674 g	CMx Correction:	0.00042674 g
Uncertainty:	0.00006764 g	Tolerance Class:	4
Air Density:	0.00119125 g/cm ³	Tolerance:	0.002 g
		Accept/Reject:	A

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 120 Jackson
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 Observer: CEO

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 4
 Retest #: 0
 Denomination: 50 g
 Density: 7.84 g/cm3
 Eq Wt/grams: 50 g

Temperature: 23 °C
 Pressure: 763.9 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: AT106_100G
 Pooled Std.Dev.: 0.0000156 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.000004 g	S: 50grl	50.00007 g	0.000034 g	7.95 g/cm3
X+Tx:	0.001065 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm3
X+Tx+SW:	0.006071 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.005017 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	50.00123248 g	Mx Correction:	0.00123248 g
Conventional Mass:	50.00107940 g	CMx Correction:	0.00107940 g
Uncertainty:	0.00004616 g	Tolerance Class:	4
Air Density:	0.00119125 g/cm3	Tolerance:	0.0012 g
		Accept/Reject:	A

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 Observer: CEO

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 5
 Retest #: 0
 Denomination: 30 g
 Density: 7.84 g/cm³
 Eq Wt/grams: 30 g

Temperature: 23 °C
 Pressure: 763.9 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: AT106_100G
 Pooled Std.Dev.: 0.0000156 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.000002 g	S: 30grl	30.000071 g	0.000025 g	7.95 g/cm ³
X+Tx:	0.000141 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm ³
X+Tx+SW:	0.005146 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.005004 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	30.00027659 g	Mx Correction:	0.00027659 g
Conventional Mass:	30.00018474 g	CMx Correction:	0.00018474 g
Uncertainty:	0.00003999 g	Tolerance Class:	4
Air Density:	0.00119125 g/cm ³	Tolerance:	0.0009 g
		Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #:	WM-G89-4	Temperature:	22.4 °C
Weight #:	6	Pressure:	763.7 mm/Hg
Retest #:	0	Rel Humidity:	57.5 %
Denomination:	20 g	Comparator Used:	AT106_100G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000156 g
Eq Wt/grams:	20 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.000003 g	S: 20grl	20.000044 g	0.000016 g	7.95 g/cm3
X+Tx:	0.000521 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm3
X+Tx+SW:	0.005526 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.005013 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	20.00060166 g	Mx Correction:	0.00060166 g
Conventional Mass:	20.00054043 g	CMx Correction:	0.00054043 g
		Tolerance Class:	4
Uncertainty:	0.00003508 g	Tolerance:	0.0007 g
Air Density:	0.00119355 g/cm3	Accept/Reject:	A

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 120 Jackson
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 Observer: CEO

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 7
 Retest #: 0
 Denomination: 10 g
 Density: 7.84 g/cm3
 Eq Wt/grams: 10 g

Temperature: 22.4 °C
 Pressure: 763.7 mm/Hg
 Rel Humidity: 57.5 %
 Comparator Used: AT106_10G
 Pooled Std.Dev.: 0.0000079 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0 g	S: 10grl	10.0000145 g	0.0000086 g	7.95 g/cm3
X+Tx:	0.000179 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm3
X+Tx+SW:	0.005183 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.005007 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	10.00021311 g	Mx Correction:	0.00021311 g
Conventional Mass:	10.00018250 g	CMx Correction:	0.00018250 g
Uncertainty:	0.00001808 g	Tolerance Class:	4
Air Density:	0.00119355 g/cm3	Tolerance:	0.0005 g
		Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #:	WM-G89-4	Temperature:	23.3 °C
Weight #:	8	Pressure:	766.3 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	5 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000025 g
Eq Wt/grams:	5 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000006 g	S: 5grl	5.0000192 g	0.0000048 g	7.95 g/cm3
X+Tx:	0.0001617 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm3
X+Tx+SW:	0.0101668 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0100051 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	5.00019176 g	Mx Correction:	0.00019176 g
Conventional Mass:	5.00017645 g	CMx Correction:	0.00017645 g
		Tolerance Class:	4
Uncertainty:	0.00000721 g	Tolerance:	0.00036 g
Air Density:	0.00119368 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-4	Temperature:	23.3 °C
Weight #:	9	Pressure:	766.3 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	3 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000025 g
Eq Wt/grams:	3 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000007 g	S: 3grl	3.0000143 g	0.0000033 g	7.95 g/cm3
X+Tx:	-0.0000439 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm3
X+Tx+SW:	0.0099618 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0100054 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	2.99997722 g	Mx Correction:	-0.00002278 g
Conventional Mass:	2.99996803 g	CMx Correction:	-0.00003197 g
Uncertainty:	0.00000632 g	Tolerance Class:	4
Air Density:	0.00119368 g/cm3	Tolerance:	0.0003 g
		Accept/Reject:	A

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Observer: CEO

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Form No.: NE04LF6-R00

Serial #:	WM-G89-4	Temperature:	23.3 °C
Weight #:	10	Pressure:	766.3 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	2 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000025 g
Eq Wt/grams:	2 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000003 g	S: 2grl	2.0000129 g	0.0000033 g	7.95 g/cm3
X+Tx:	0.0000421 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm3
X+Tx+SW:	0.0100484 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0100079 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	2.00005856 g	Mx Correction:	0.00005856 g
Conventional Mass:	2.00005244 g	CMx Correction:	0.00005244 g
		Tolerance Class:	4
Uncertainty:	0.00000632 g	Tolerance:	0.00026 g
Air Density:	0.00119368 g/cm3	Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 11
 Retest #: 0
 Denomination: 1 g
 Density: 7.84 g/cm3
 Eq Wt/grams: 1 g

Temperature: 22.5 °C
 Pressure: 766.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_1G
 Pooled Std.Dev.: 0.0000004 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000001 g	S: 1grl	1.0000093 g	0.0000028 g	7.95 g/cm3
X+Tx:	-0.0000117 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm3
X+Tx+SW:	0.0099939 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0100073 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.99999881 g	Mx Correction:	-0.00000119 g
Conventional Mass:	0.99999575 g	CMx Correction:	-0.00000425 g
Uncertainty:	0.00000355 g	Tolerance Class:	4
Air Density:	0.00119725 g/cm3	Tolerance:	0.0002 g
		Accept/Reject:	A

Nebraska Standards Laboratory
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SOP 4 - Double Substitution Test Results - Individual Weight

Agency ID: 50
 Agency: Dept of Ag. - Weights & Measures
 120 Jackson
 Norfolk, NE 68701-

NE Cert No: 20110077
 Date: 6/27/2011
 P.O. No:
 Observer: CEO

Submitted By: Ken Tichota

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 12
 Retest #: 0
 Denomination: 500 mg
 Density: 7.84 g/cm³
 Eq Wt/grams: 0.5 g

Temperature: 22.5 °C
 Pressure: 766.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_1G
 Pooled Std.Dev.: 0.0000004 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000004 g	S: 500mgrl	0.5000051 g	0.0000016 g	7.95 g/cm ³
X+Tx:	0.0000237 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm ³
X+Tx+SW:	0.010029 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0100049 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.50003026 g	Mx Correction:	0.00003026 g
Conventional Mass:	0.50002873 g	CMx Correction:	0.00002873 g
Uncertainty:	0.00000271 g	Tolerance Class:	4
Air Density:	0.00119725 g/cm ³	Tolerance:	0.00016 g
		Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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 120 Jackson
 Norfolk, NE 68701-

NE Cert No: 20110077

Date: 6/27/2011

P.O. No:

Observer: CEO

Submitted By: Ken Tichota

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 13
 Retest #: 0
 Denomination: 200 mg
 Density: 7.84 g/cm³
 Eq Wt/grams: 0.2 g

Temperature: 22.5 °C
 Pressure: 766.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_1G
 Pooled Std.Dev.: 0.0000004 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000011 g	S: 200mgrl	0.19999839 g	0.00000085 g	7.95 g/cm ³
X+Tx:	-0.0000083 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm ³
X+Tx+SW:	0.0099971 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0100036 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.19999196 g	Mx Correction:	-0.00000804 g
Conventional Mass:	0.19999135 g	CMx Correction:	-0.00000865 g
Uncertainty:	0.00000235 g	Tolerance Class:	4
Air Density:	0.00119725 g/cm ³	Tolerance:	0.00012 g
		Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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 120 Jackson
 Norfolk, NE 68701-

NE Cert No: 20110077
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 Observer: CEO

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 14
 Retest #: 0
 Denomination: 200 mg*
 Density: 7.84 g/cm3
 Eq Wt/grams: 0.2 g

Temperature: 23 °C
 Pressure: 764.9 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_1G
 Pooled Std.Dev.: 0.0000004 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000204 g	S: 200mgrl	0.19999839 g	0.00000085 g	7.95 g/cm3
X+Tx:	-0.0000053 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm3
X+Tx+SW:	0.010001 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0099869 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.20001341 g	Mx Correction:	0.00001341 g
Conventional Mass:	0.20001280 g	CMx Correction:	0.00001280 g
Uncertainty:	0.00000235 g	Tolerance Class:	4
Air Density:	0.00119282 g/cm3	Tolerance:	0.00012 g
		Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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 120 Jackson
 Norfolk, NE 68701-

NE Cert No: 20110077
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 Observer: CEO

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 15
 Retest #: 0
 Denomination: 100 mg
 Density: 7.84 g/cm³
 Eq Wt/grams: 0.1 g

Temperature: 23 °C
 Pressure: 764.9 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000006 g	S: 100mgrl	0.09999738 g	0.0000006 g	7.95 g/cm ³
X+Tx:	-0.0000173 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm ³
X+Tx+SW:	0.0099891 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0100082 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.09997909 g	Mx Correction:	-0.00002091 g
Conventional Mass:	0.09997878 g	CMx Correction:	-0.00002122 g
Uncertainty:	0.00000209 g	Tolerance Class:	4
Air Density:	0.00119282 g/cm ³	Tolerance:	0.0001 g
		Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

Agency ID: 50

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 120 Jackson
 Norfolk, NE 68701-

NE Cert No: 20110077

Date: 6/27/2011

P.O. No:

Observer: CEO

Submitted By: Ken Tichota

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 16
 Retest #: 0
 Denomination: 50 mg
 Density: 7.84 g/cm³
 Eq Wt/grams: 0.05 g

Temperature: 23 °C
 Pressure: 764.9 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000005 g	S: 50mgrl	0.05000221 g	0.00000055 g	7.95 g/cm ³
X+Tx:	-0.0000106 g	SW: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm ³
X+Tx+SW:	0.0099959 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0100085 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.04999047 g	Mx Correction:	-0.00000953 g
Conventional Mass:	0.04999031 g	CMx Correction:	-0.00000969 g
Uncertainty:	0.00000208 g	Tolerance Class:	4
Air Density:	0.00119282 g/cm ³	Tolerance:	0.000085 g
		Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 17
 Retest #: 0
 Denomination: 20 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.02 g

Temperature: 22.5 °C
 Pressure: 764.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000006 g	S: 20mgrl	0.02000601 g	0.00000041 g	7.95 g/cm ³
X+Tx:	-0.0000137 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm ³
X+Tx+SW:	0.0049917 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0050066 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.01999725 g	Mx Correction:	-0.00000275 g
Conventional Mass:	0.01999136 g	CMx Correction:	-0.00000864 g
Uncertainty:	0.00000205 g	Tolerance Class:	4
Air Density:	0.00119411 g/cm ³	Tolerance:	0.00007 g
		Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 18
 Retest #: 0
 Denomination: 20 mg*
 Density: 2.7 g/cm3
 Eq Wt/grams: 0.02 g

Temperature: 22.5 °C
 Pressure: 764.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000018 g	S: 20mgrl	0.02000601 g	0.00000041 g	7.95 g/cm3
X+Tx:	0.0000243 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm3
X+Tx+SW:	0.0050297 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050073 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.02003431 g	Mx Correction:	0.00003431 g
Conventional Mass:	0.02002841 g	CMx Correction:	0.00002841 g
Uncertainty:	0.00000205 g	Tolerance Class:	4
Air Density:	0.00119411 g/cm3	Tolerance:	0.00007 g
		Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 19
 Retest #: 0
 Denomination: 10 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.01 g

Temperature: 22.5 °C
 Pressure: 764.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0 g	S: 10mgrl	0.01000642 g	0.00000044 g	7.95 g/cm ³
X+Tx:	0.0000006 g	SW: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm ³
X+Tx+SW:	0.0050056 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0050047 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.01001009 g	Mx Correction:	0.00001009 g
Conventional Mass:	0.01000715 g	CMx Correction:	0.00000715 g
Uncertainty:	0.00000205 g	Tolerance Class:	4
Air Density:	0.00119411 g/cm ³	Tolerance:	0.00006 g
		Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 20
 Retest #: 1
 Denomination: 5 mg
 Density: 2.7 g/cm3
 Eq Wt/grams: 0.005 g

Temperature: 22.8 °C
 Pressure: 764.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000002 g	S: 5mgrl	0.00500527 g	0.00000036 g	7.95 g/cm3
X+Tx:	0.0000097 g	SW: 3mgrl	0.00300303 g	0.00000036 g	7.95 g/cm3
X+Tx+SW:	0.0030128 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0030043 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.00501573 g	Mx Correction:	0.00001573 g
Conventional Mass:	0.00501426 g	CMx Correction:	0.00001426 g
Uncertainty:	0.00000204 g	Tolerance Class:	4
Air Density:	0.00119277 g/cm3	Tolerance:	0.000055 g
		Accept/Reject:	A

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NE Cert No: 20110077
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 P.O. No:
 Observer: CEO

Submitted By: Ken Tichota

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 21
 Retest #: 0
 Denomination: 2 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.002 g

Temperature: 22.8 °C
 Pressure: 764.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000004 g	S: 2mgrl	0.00199491 g	0.00000034 g	7.95 g/cm ³
X+Tx:	0.0000114 g	SW: 3mgrl	0.00300303 g	0.00000036 g	7.95 g/cm ³
X+Tx+SW:	0.0030149 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0030058 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.00200554 g	Mx Correction:	0.00000554 g
Conventional Mass:	0.00200495 g	CMx Correction:	0.00000495 g
Uncertainty:	0.00000204 g	Tolerance Class:	4
Air Density:	0.00119277 g/cm ³	Tolerance:	0.00005 g
		Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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 Observer: CEO

Submitted By: Ken Tichota

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 22
 Retest #: 0
 Denomination: 2 mg*
 Density: 2.7 g/cm3
 Eq Wt/grams: 0.002 g

Temperature: 22.8 °C
 Pressure: 764.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.000004 g	S: 2mgrl	0.00199491 g	0.00000034 g	7.95 g/cm3
X+Tx:	0.0000184 g	SW: 3mgrl	0.00300303 g	0.00000036 g	7.95 g/cm3
X+Tx+SW:	0.0030218 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0030089 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.00200914 g	Mx Correction:	0.00000914 g
Conventional Mass:	0.00200855 g	CMx Correction:	0.00000855 g
Uncertainty:	0.00000204 g	Tolerance Class:	4
Air Density:	0.00119277 g/cm3	Tolerance:	0.00005 g
		Accept/Reject:	A

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 Norfolk, NE 68701-

NE Cert No: 20110077

Date: 6/27/2011

P.O. No:

Observer: CEO

Submitted By: Ken Tichota

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Form No.: NE04LF6-R00

Serial #: WM-G89-4
 Weight #: 23
 Retest #: 0
 Denomination: 1 mg
 Density: 2.7 g/cm3
 Eq Wt/grams: 0.001 g

Temperature: 22.4 °C
 Pressure: 764.3 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000001 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000001 g	S: 1mg*	0.00099144 g	0.00000033 g	8.5 g/cm3
X+Tx:	0.0000095 g	SW: 2mg	0.00201084 g	0.00000025 g	8.5 g/cm3
X+Tx+SW:	0.0020211 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0020119 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.00100104 g	Mx Correction:	0.00000104 g
Conventional Mass:	0.00100074 g	CMx Correction:	0.00000074 g
Uncertainty:	0.00000203 g	Tolerance Class:	4
Air Density:	0.00119456 g/cm3	Tolerance:	0.00005 g
		Accept/Reject:	A

**Nebraska Standards Laboratory
3721 West Cuming Street
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(402) 471-2087**

SOP 4 - Double Substitution - Summary Of Test Results

Agency ID: 50
Agency: Dept of Ag. - Weights & Measures
120 Jackson
Norfolk, NE 68701-

NE Cert No: 20110077
Date: 6/27/2011
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Ken Tichota

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-4	1	300.00056020	299.99964169	0.00014956	CC1201 / 1 kg	300gd
200 g	WM-G89-4	2	200.00388567	200.00327333	0.00014876	CC1201 / 1 kg	200gd
100 g	WM-G89-4	3	100.00073291	100.00042674	0.00006764	AT106_100G	100grl
50 g	WM-G89-4	4	50.00123248	50.00107940	0.00004616	AT106_100G	50grl
30 g	WM-G89-4	5	30.00027659	30.00018474	0.00003999	AT106_100G	30grl
20 g	WM-G89-4	6	20.00060166	20.00054043	0.00003508	AT106_100G	20grl
10 g	WM-G89-4	7	10.00021311	10.00018250	0.00001808	AT106_10G	10grl
5 g	WM-G89-4	8	5.00019176	5.00017645	0.00000721	CCE6_5G	5grl
3 g	WM-G89-4	9	2.99997722	2.99996803	0.00000632	CCE6_5G	3grl
2 g	WM-G89-4	10	2.00005856	2.00005244	0.00000632	CCE6_5G	2grl
1 g	WM-G89-4	11	0.99999881	0.99999575	0.00000355	CCE6_1G	1grl
500 mg	WM-G89-4	12	0.50003026	0.50002873	0.00000271	CCE6_1G	500mgrl
200 mg	WM-G89-4	13	0.19999196	0.19999135	0.00000235	CCE6_1G	200mgrl
200 mg*	WM-G89-4	14	0.20001341	0.20001280	0.00000235	CCE6_1G	200mgrl
100 mg	WM-G89-4	15	0.09997909	0.09997878	0.00000209	CCCE6_100MG	100mgrl
50 mg	WM-G89-4	16	0.04999047	0.04999031	0.00000208	CCCE6_100MG	50mgrl
20 mg	WM-G89-4	17	0.01999725	0.01999136	0.00000205	CCCE6_100MG	20mgrl
20 mg*	WM-G89-4	18	0.02003431	0.02002841	0.00000205	CCCE6_100MG	20mgrl
10 mg	WM-G89-4	19	0.01001009	0.01000715	0.00000205	CCE6_10MG	10mgrl
5 mg	WM-G89-4	20	0.00501573	0.00501426	0.00000204	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.

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SOP 4 - Double Substitution - Summary Of Test Results

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120 Jackson
Norfolk, NE 68701-

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Observer: CEO

Form No.: NE04LF7-R00

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
2 mg	WM-G89-4	21	0.00200554	0.00200495	0.00000204	CCE6_10MG	2mgrl
2 mg*	WM-G89-4	22	0.00200914	0.00200855	0.00000204	CCE6_10MG	2mgrl
1 mg	WM-G89-4	23	0.00100104	0.00100074	0.00000203	CCE6_10MG	1mg*

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.

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SOP 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

Agency ID: 50
Agency: Dept of Ag. - Weights & Measures
120 Jackson
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NE Cert No: 20110077
Date: 6/27/2011
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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
12A9	1	0	2 lb	CC1201-lb	NSL-2-1	-0.0750957 g	0.091 g	0.0023481 g	A
12A9	2	0	2 lb	CC1201-lb	NSL-2-1	-0.0400957 g	0.091 g	0.0023481 g	A
12A9	3	0	2 lb	CC1201-lb	NSL-2-1	-0.0299957 g	0.091 g	0.0023481 g	A
12A9	4	0	2 lb	CC1201-lb	NSL-2-1	-0.0411957 g	0.091 g	0.0023481 g	A
12A9	5	0	2 lb	CC1201-lb	NSL-2-1	-0.0139957 g	0.091 g	0.0023481 g	A
12A9	6	0	2 lb	CC1201-lb	NSL-2-1	-0.0024957 g	0.091 g	0.0023481 g	A
12A9	7	0	2 lb	CC1201-lb	NSL-2-1	0.0086043 g	0.091 g	0.0023481 g	A
12A9	8	0	2 lb	CC1201-lb	NSL-2-1	-0.0390957 g	0.091 g	0.0023481 g	A
12A9	9	0	2 lb	CC1201-lb	NSL-2-1	-0.0133957 g	0.091 g	0.0023481 g	A
12A9	10	0	2 lb	CC1201-lb	NSL-2-1	0.0070043 g	0.091 g	0.0023481 g	A
12A9	11	0	2 lb	CC1201-lb	NSL-2-1	-0.0247957 g	0.091 g	0.0023481 g	A
12A9	12	0	2 lb	CC1201-lb	NSL-2-1	-0.0207957 g	0.091 g	0.0023481 g	A
12A9	13	0	2 lb	CC1201-lb	NSL-2-1	-0.0110957 g	0.091 g	0.0023481 g	A
12A9	14	0	2 lb	CC1201-lb	NSL-2-1	0.0191043 g	0.091 g	0.0023481 g	A
12A9	15	0	1 lb	CC1201-lb	NSL-1-1	-0.0230727 g	0.07 g	0.0023373 g	A
12A9	16	0	1 lb	CC1201-lb	NSL-1-1	-0.0262727 g	0.07 g	0.0023373 g	A
12A9	17	0	8 oz	CC1201-lb	NSL-8-1	-0.0420671 g	0.045 g	0.0023351 g	A
12A9	18	0	4 oz	CC1201-lb	NSL-Z	-0.0101040 g	0.023 g	0.0023325 g	A
12A9	19	0	2 oz	AT106-lb	NSL-Y	-0.0019428 g	0.011 g	0.0000638 g	A
12A9	20	0	1 oz	AT106-lb	2A9-1oz	0.0012609 g	0.0054 g	0.0003671 g	A
12A9	21	0	0.5 oz	AT106-lb	2A9-1.2oz	-0.0018501 g	0.0028 g	0.0003670 g	A
12A9	22	0	0.25 oz	AT106-lb	2A9-1.4oz	-0.0001505 g	0.0017 g	0.0000557 g	A
12A9	23	0	0.125 oz	CCE6_lb	2A9-1.8oz	-0.0010808 g	0.0013 g	0.0000075 g	A
12A9	24	0	0.0625 oz	CCE6_lb	2A9-1.16oz	-0.0008699 g	0.0011 g	0.0000074 g	A
12A9	25	0	0.0625 oz*	CCE6_lb	2A9-1.16oz	-0.0008093 g	0.0011 g	0.0000074 g	A
12A9	26	0	0.3 lb	CC1201-lb	NSL-WK1	-0.0180100 g	0.027 g	0.0023334 g	A

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Agency ID: 50
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 120 Jackson
 Norfolk, NE 68701-

NE Cert No: 20110077
 Date: 6/27/2011
 P.O. No:
 Observer: CEO

Submitted By: Ken Tichota

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12A9	27	0	0.2 lb	AT106-lb	NSL-WK2	-0.0135211 g	0.018 g	0.0000666 g	A
12A9	28	0	0.1 lb	AT106-lb	NSL-WK3	-0.0018123 g	0.0091 g	0.0000606 g	A
12A9	29	0	0.05 lb	AT106-lb	NSL-WK4	-0.0039669 g	0.0045 g	0.0000593 g	A
12A9	30	0	0.03 lb	AT106-lb	NSL-WK5	-0.0019447 g	0.0027 g	0.0000551 g	A
12A9	31	0	0.02 lb	AT106-lb	NSL-WK6	0.0001694 g	0.0018 g	0.0000564 g	A
12A9	32	0	0.01 lb	CCE6_lb	NSL-WK7	-0.0005953 g	0.0015 g	0.0000090 g	A
12A9	33	0	0.005 lb	CCE6_lb	NSL-WK8	-0.0000248 g	0.0012 g	0.0000075 g	A
12A9	34	0	0.003 lb	CCE6_lb	NSL-WK9	0.0005078 g	0.00099 g	0.0000070 g	A
12A9	35	0	0.002 lb	CCE6_lb	NSL-WK10	0.0002349 g	0.00087 g	0.0000063 g	A
12A9	36	0	0.001 lb	CCE6_lb	NSL-WK11	0.0001026 g	0.0007 g	0.0000061 g	A
12A9	37	0	0.001 lb*	CCE6_lb	NSL-WK11	-0.0001425 g	0.0007 g	0.0000061 g	A
5	1	0	4 kg	CC10000S-5 kg	4kg	0.0637082 g	0.08 g	0.0007797 g	A
N-99-A	1	0	0.2 lb	AT106-lb	NSL-WK2	0.0073509 g	0.018 g	0.0000666 g	A
N-99-A	2	0	0.2 lb*	AT106-lb	NSL-WK2	0.0074739 g	0.018 g	0.0000666 g	A
N-99-A	3	0	0.1 lb	AT106-lb	NSL-WK3	0.0026917 g	0.0091 g	0.0000606 g	A
N-99-A	4	0	0.05 lb	AT106-lb	NSL-WK4	-0.0006119 g	0.0045 g	0.0000593 g	A
N-99-A	5	0	0.02 lb	AT106-lb	NSL-WK6	-0.0000546 g	0.0018 g	0.0000564 g	A
N-99-A	6	0	0.02 lb*	AT106-lb	NSL-WK6	-0.0000316 g	0.0018 g	0.0000564 g	A
N-99-A	7	0	0.01 lb	CCE6_lb	NSL-WK7	0.0006740 g	0.0015 g	0.0000090 g	A
N-99-A	8	0	0.005 lb	CCE6_lb	NSL-WK8	-0.0004572 g	0.0012 g	0.0000075 g	A
N-99-A	9	0	0.002 lb	CCE6_lb	NSL-WK10	0.0001470 g	0.00087 g	0.0000063 g	A
N-99-A	10	0	0.002 lb*	CCE6_lb	NSL-WK10	-0.0007162 g	0.00087 g	0.0000063 g	A
N-99-A	11	0	0.001 lb	CCE6_lb	NSL-WK11	-0.0005160 g	0.0007 g	0.0000061 g	A
NE-100	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.1981902 g	1.1 g	0.0353136 g	R
NE-100	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2118098 g	1.1 g	0.0353136 g	A
NE-81	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2331902 g	1.1 g	0.0353136 g	A
NE-82	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6581902 g	1.1 g	0.0353136 g	A
NE-83	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8531902 g	1.1 g	0.0353136 g	A
NE-83	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3818098 g	1.1 g	0.0353136 g	A
NE-84	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2781902 g	1.1 g	0.0353136 g	A
NE-85	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5081902 g	1.1 g	0.0353136 g	A
NE-86	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2781902 g	1.1 g	0.0353136 g	A
NE-87	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.1181902 g	1.1 g	0.0353136 g	R

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NE-87	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4168098 g	1.1 g	0.0353136 g	A
NE-88	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.9531902 g	1.1 g	0.0353136 g	A
NE-89	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6681902 g	1.1 g	0.0353136 g	A
NE-90	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.9281902 g	1.1 g	0.0353136 g	A
NE-91	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.0431902 g	1.1 g	0.0353136 g	A
NE-91	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3768098 g	1.1 g	0.0353136 g	A
NE-92	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2881902 g	1.1 g	0.0353136 g	A
NE-93	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.2681902 g	1.1 g	0.0353136 g	R
NE-93	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1118098 g	1.1 g	0.0353136 g	A
NE-94	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.1831902 g	1.1 g	0.0353136 g	R
NE-94	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4768098 g	1.1 g	0.0353136 g	A
NE-95	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8631902 g	1.1 g	0.0353136 g	A
NE-96	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6731902 g	1.1 g	0.0353136 g	A
NE-97	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8781902 g	1.1 g	0.0353136 g	A
NE-98	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.1081902 g	1.1 g	0.0353136 g	R
NE-98	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4368098 g	1.1 g	0.0353136 g	A
NE-99	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7731902 g	1.1 g	0.0353136 g	A
WM15-13	1	0	15 lb	CC10000S-10 lb	NEBR-STD-15	-0.9198971 g	0.68 g	0.0031842 g	R
WM15-13	1	1	15 lb	CC10000S-10 lb	NEBR-STD-15	0.0979029 g	0.68 g	0.0031842 g	A
WM15-14	1	0	15 lb	CC10000S-10 lb	NEBR-STD-15	-0.8237971 g	0.68 g	0.0031842 g	R
WM15-14	1	1	15 lb	CC10000S-10 lb	NEBR-STD-15	-0.1658971 g	0.68 g	0.0031842 g	A
WM25-106	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0818098 g	1.1 g	0.0353136 g	A
WM25-113	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1868098 g	1.1 g	0.0353136 g	R
WM25-113	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0781902 g	1.1 g	0.0353136 g	A
WM25-27	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5581902 g	1.1 g	0.0353136 g	A
WM25-29	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4468098 g	1.1 g	0.0353136 g	A
WM25-65	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5518098 g	1.1 g	0.0353136 g	A
WM25-66	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0268098 g	1.1 g	0.0353136 g	A
WM25-67	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6218098 g	1.1 g	0.0353136 g	A
WM25-68	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3118098 g	1.1 g	0.0353136 g	A
WM25-69	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0218098 g	1.1 g	0.0353136 g	A
WM25-70	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5368098 g	1.1 g	0.0353136 g	A
WM25-71	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2468098 g	1.1 g	0.0353136 g	R

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WM25-71	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0668098 g	1.1 g	0.0353136 g	A
WM25-72	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3868098 g	1.1 g	0.0353136 g	A
WM25-73	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9018098 g	1.1 g	0.0353136 g	A
WM25-74	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8368098 g	1.1 g	0.0353136 g	A
WM-D1	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.3231902 g	1.1 g	0.0353136 g	R
WM-D1	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1668098 g	1.1 g	0.0353136 g	A
WM-D13	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.9131902 g	1.1 g	0.0353136 g	A
WM-D13	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.9818098 g	1.1 g	0.0353136 g	A
WM-D14	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.9881902 g	1.1 g	0.0353136 g	A
WM-D14	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1768098 g	1.1 g	0.0353136 g	A
WM-D16	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.9781902 g	1.1 g	0.0353136 g	A
WM-D16	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3018098 g	1.1 g	0.0353136 g	A
WM-D2	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.0181902 g	1.1 g	0.0353136 g	A
WM-D2	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.5168098 g	1.1 g	0.0353136 g	A
WM-D30	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.3381902 g	1.1 g	0.0353136 g	A

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