



Dave Heineman
Governor

State of Nebraska

DEPARTMENT OF AGRICULTURE
GREGORY A. IBACH
Director

*Nebraska Standards Laboratory
3721 West Cuming Street
Lincoln, NE 68524*

CERTIFICATION FOR STANDARDS OF MEASUREMENT

Agency: Food Safety & Consumer Protection
Area 55

Date: 2/8/2011
Agency ID: 55
NE Cert No: 20110019
P.O. No:

Submitted By: Nate Jeter

Page 1

<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
4 kg	3	1	4
5 gal	39423-I	1	VL
5 gal	39423-J	1	VL
2 lb	5A10	1	F
2 lb	5A10	2	F
2 lb	5A10	3	F
2 lb	5A10	4	F
2 lb	5A10	5	F
2 lb	5A10	6	F
2 lb	5A10	7	F
2 lb	5A10	8	F
2 lb	5A10	9	F
2 lb	5A10	10	F
2 lb	5A10	11	F
2 lb	5A10	12	F
2 lb	5A10	13	F
2 lb	5A10	14	F
1 lb	5A10	15	F
1 lb	5A10	16	F
8 oz	5A10	17	F
4 oz	5A10	18	F
2 oz	5A10	19	F
1 oz	5A10	20	F
0.5 oz	5A10	21	F
0.25 oz	5A10	22	F

Department of Agriculture, 301 Centennial Mall South
Web Site: www.agr.ne.gov

Administration
P.O. Box 94947
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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
0.125 oz	5A10	23	F
0.0625 oz*	5A10	25	F
0.3 lb	5A10	26	F
0.2 lb	5A10	27	F
0.1 lb	5A10	28	F
0.05 lb	5A10	29	F
0.03 lb	5A10	30	F
0.02 lb	5A10	31	F
0.01 lb	5A10	32	F
0.005 lb	5A10	33	F
0.003 lb	5A10	34	F
0.002 lb	5A10	35	F
0.001 lb	5A10	36	F
0.001 lb*	5A10	37	F
5 gal	99-10030-01	1	VL
5 gal	99-10030-02	1	VL
5 gal	99-10030-03	1	VL
1000 lb	A1	1	F
1000 lb	A10	1	F
1000 lb	A11	1	F
1000 lb	A12	1	F
1000 lb	A13	1	F
1000 lb	A15	1	F
1000 lb	A3	1	F
1000 lb	A4	1	F
1000 lb	A6	1	F
1000 lb	A7	1	F
1000 lb	B-15	1	F
1000 lb	B-1A	1	F
1000 lb	D-1	1	F
1000 lb	D-10	1	F
1000 lb	D-11	1	F
1000 lb	D-13	1	F
1000 lb	D-18	1	F
1000 lb	D-21	1	F
1000 lb	D-3	1	F

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

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
200 mg	WM-2-89-1	15	F
200 mg*	WM-2-89-1	16	F
100 mg	WM-2-89-1	17	F
5 lb	WM-2A86	1	F
5 lb	WM-2A86	2	F
5 lb	WM-2A86	3	F
5 lb	WM-2A86	4	F
5 lb	WM-2A86	5	F
1 lb	WM-2A86	6	F
1 lb	WM-2A86	7	F
1 lb	WM-2A86	8	F
1 lb	WM-2A86	9	F
1 lb	WM-2A86	10	F
8 oz	WM-2A86	11	F
4 oz	WM-2A86	12	F
2 oz	WM-2A86	13	F
1 oz	WM-2A86	14	F
0.5 oz	WM-2A86	15	F
0.25 oz	WM-2A86	16	F
0.125 oz	WM-2A86	17	F
0.0625 oz	WM-2A86	18	F
0.03125 oz	WM-2A86	19	F
0.03125 oz*	WM-2A86	20	F
25 lb	WM-D27	1	F
25 lb	WM-D31	1	F
25 lb	WM-D32	1	F
25 lb	WM-D33	1	F
25 lb	WM-D34	1	F
25 lb	WM-D35	1	F
25 lb	WM-D36	1	F
25 lb	WM-D37	1	F
25 lb	WM-D38	1	F
25 lb	WM-D39	1	F
25 lb	WM-D40	1	F
25 lb	WM-D41	1	F
25 lb	WM-D42	1	F

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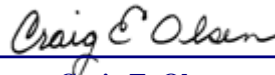
Denomination	Serial Number	Weight Number	Tolerance Class
25 lb	WM-D43	1	F
25 lb	WM-D45	1	F
25 lb	WM-D46	1	F
25 lb	WM-D47	1	F
25 lb	WM-D48	1	F
25 lb	WM-D49	1	F
25 lb	WM-D50	1	F

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.

See 'Test Results' attached

See report/letter attached



Craig E. Olsen

Nebraska State Metrologist

Department of Agriculture, 301 Centennial Mall South

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SOP 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

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

NE Cert No: 20110019
Date: 2/8/2011
P.O. No:
Observer: CEO

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
3	1	0	4 kg	CC1000S-5 kg	4kg	-0.0338918 g	0.08 g	0.0012590 g	A
5A10	1	0	2 lb	CC1201-lb	NSL-2-1	0.0001819 g	0.091 g	0.0007758 g	A
5A10	2	0	2 lb	CC1201-lb	NSL-2-1	-0.0201181 g	0.091 g	0.0007758 g	A
5A10	3	0	2 lb	CC1201-lb	NSL-2-1	-0.0193181 g	0.091 g	0.0007758 g	A
5A10	4	0	2 lb	CC1201-lb	NSL-2-1	-0.0242181 g	0.091 g	0.0007758 g	A
5A10	5	0	2 lb	CC1201-lb	NSL-2-1	-0.0241181 g	0.091 g	0.0007758 g	A
5A10	6	0	2 lb	CC1201-lb	NSL-2-1	0.0032819 g	0.091 g	0.0007758 g	A
5A10	7	0	2 lb	CC1201-lb	NSL-2-1	0.0011819 g	0.091 g	0.0007758 g	A
5A10	8	0	2 lb	CC1201-lb	NSL-2-1	-0.0028181 g	0.091 g	0.0007758 g	A
5A10	9	0	2 lb	CC1201-lb	NSL-2-1	0.0051819 g	0.091 g	0.0007758 g	A
5A10	10	0	2 lb	CC1201-lb	NSL-2-1	-0.0074181 g	0.091 g	0.0007758 g	A
5A10	11	0	2 lb	CC1201-lb	NSL-2-1	-0.0607181 g	0.091 g	0.0007758 g	A
5A10	12	0	2 lb	CC1201-lb	NSL-2-1	0.0058819 g	0.091 g	0.0007758 g	A
5A10	13	0	2 lb	CC1201-lb	NSL-2-1	0.0104819 g	0.091 g	0.0007758 g	A
5A10	14	0	2 lb	CC1201-lb	NSL-2-1	-0.0550181 g	0.091 g	0.0007758 g	A
5A10	15	0	1 lb	CC1201-lb	NSL-1-1	-0.0297241 g	0.07 g	0.0007427 g	A
5A10	16	0	1 lb	CC1201-lb	NSL-1-1	-0.0386241 g	0.07 g	0.0007427 g	A
5A10	17	0	8 oz	CC1201-lb	NSL-8-1	-0.0087265 g	0.045 g	0.0007356 g	A
5A10	18	0	4 oz	CC1201-lb	NSL-Z	0.0018960 g	0.023 g	0.0007272 g	A
5A10	19	0	2 oz	AT106-lb	NSL-Y	0.0021082 g	0.011 g	0.0000616 g	A
5A10	20	0	1 oz	AT106-lb	2A9-1oz	-0.0037741 g	0.0054 g	0.0003667 g	A
5A10	21	0	0.5 oz	AT106-lb	2A9-1.2oz	0.0003699 g	0.0028 g	0.0003666 g	A
5A10	22	0	0.25 oz	AT106-lb	2A9-1.4oz	0.0005725 g	0.0017 g	0.0000532 g	A
5A10	23	0	0.125 oz	AT106-lb	2A9-1.8oz	-0.0003393 g	0.0013 g	0.0000510 g	A
5A10	25	0	0.0625 oz*	AT106-lb	2A9-1.16oz	0.0002249 g	0.0011 g	0.0000510 g	A
5A10	26	0	0.3 lb	CC1201-lb	NSL-WK1	-0.0023100 g	0.027 g	0.0007302 g	A

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

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

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

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 Area 55

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
5A10	27	0	0.2 lb	AT106-lb	NSL-WK2	0.0017859 g	0.018 g	0.0000645 g	A
5A10	28	0	0.1 lb	AT106-lb	NSL-WK3	-0.0031123 g	0.0091 g	0.0000583 g	A
5A10	29	0	0.05 lb	AT106-lb	NSL-WK4	-0.0002569 g	0.0045 g	0.0000569 g	A
5A10	30	0	0.03 lb	AT106-lb	NSL-WK5	-0.0017607 g	0.0027 g	0.0000525 g	A
5A10	31	0	0.02 lb	AT106-lb	NSL-WK6	0.0007224 g	0.0018 g	0.0000538 g	A
5A10	32	0	0.01 lb	UMT5/6-lb	NSL-WK7	0.0006585 g	0.0015 g	0.0000136 g	A
5A10	33	0	0.005 lb	UMT5/6-lb	NSL-WK8	-0.0008938 g	0.0012 g	0.0000127 g	A
5A10	34	0	0.003 lb	UMT5/6-lb	NSL-WK9	-0.0001095 g	0.00099 g	0.0000124 g	A
5A10	35	0	0.002 lb	UMT5/6-lb	NSL-WK10	-0.0001514 g	0.00087 g	0.0000120 g	A
5A10	36	0	0.001 lb	UMT5/6-lb	NSL-WK11	0.0002648 g	0.0007 g	0.0000119 g	A
5A10	37	0	0.001 lb*	UMT5/6-lb	NSL-WK11	0.0002904 g	0.0007 g	0.0000119 g	A
A1	1	0	1000 lb	KC500-1	C24	-61.7925817 g	45 g	2.5855327 g	R
A1	1	1	1000 lb	KC500-1	C24	23.5074183 g	45 g	2.5855327 g	A
A10	1	0	1000 lb	KC500-1	C24	-41.0925817 g	45 g	2.5855327 g	A
A10	1	1	1000 lb	KC500-1	C24	11.6074183 g	45 g	2.5855327 g	A
A11	1	0	1000 lb	KC500-1	C24	-3.9925817 g	45 g	2.5855327 g	A
A12	1	0	1000 lb	KC500-1	C24	7.8074183 g	45 g	2.5855327 g	A
A13	1	0	1000 lb	KC500-1	C24	-43.4925817 g	45 g	2.5855327 g	A
A13	1	1	1000 lb	KC500-1	C24	22.4074183 g	45 g	2.5855327 g	A
A15	1	0	1000 lb	KC500-1	C24	7.1074183 g	45 g	2.5855327 g	A
A3	1	0	1000 lb	KC500-1	C24	-56.6925817 g	45 g	2.5855327 g	R
A3	1	1	1000 lb	KC500-1	C24	27.7074183 g	45 g	2.5855327 g	A
A4	1	0	1000 lb	KC500-1	C24	-25.9925817 g	45 g	2.5855327 g	A
A6	1	0	1000 lb	KC500-1	C24	-53.5925817 g	45 g	2.5855327 g	R
A6	1	1	1000 lb	KC500-1	C24	19.1074183 g	45 g	2.5855327 g	A
A7	1	0	1000 lb	KC500-1	C24	-39.9925817 g	45 g	2.5855327 g	A
A7	1	1	1000 lb	KC500-1	C24	11.9074183 g	45 g	2.5855327 g	A
B-15	1	0	1000 lb	KC500-1	C24	-61.9925817 g	45 g	2.5855327 g	R
B-15	1	1	1000 lb	KC500-1	C24	24.1074183 g	45 g	2.5855327 g	A
B-1A	1	0	1000 lb	KC500-1	C24	-32.8925817 g	45 g	2.5855327 g	A
D-1	1	0	1000 lb	KC500-1	C24	-43.1925817 g	45 g	2.5855327 g	A
D-1	1	1	1000 lb	KC500-1	C24	27.8074183 g	45 g	2.5855327 g	A
D-10	1	0	1000 lb	KC500-1	C24	-33.5925817 g	45 g	2.5855327 g	A

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

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D-11	1	0	1000 lb	KC500-1	C24	-0.4925817 g	45 g	2.5855327 g	A
D-13	1	0	1000 lb	KC500-1	C24	-48.6925817 g	45 g	2.5855327 g	R
D-13	1	1	1000 lb	KC500-1	C24	15.2074183 g	45 g	2.5855327 g	A
D-18	1	0	1000 lb	KC500-1	C24	9.5074183 g	45 g	2.5855327 g	A
D-21	1	0	1000 lb	KC500-1	C24	6.4074183 g	45 g	2.5855327 g	A
D-3	1	0	1000 lb	KC500-1	C24	-8.3925817 g	45 g	2.5855327 g	A
D-4	1	0	1000 lb	KC500-1	C24	-28.9925817 g	45 g	2.5855327 g	A
D-5	1	0	1000 lb	KC500-1	C24	-15.8925817 g	45 g	2.5855327 g	A
NE-41	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3818098 g	1.1 g	0.0329709 g	A
NE-42	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.1768098 g	1.1 g	0.0329709 g	A
NE-43	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3168098 g	1.1 g	0.0329709 g	A
NE-44	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3218098 g	1.1 g	0.0329709 g	A
NE-45	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3718098 g	1.1 g	0.0329709 g	A
NE-46	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.2568098 g	1.1 g	0.0329709 g	A
NE-47	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0718098 g	1.1 g	0.0329709 g	A
NE-48	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3018098 g	1.1 g	0.0329709 g	A
NE-49	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0968098 g	1.1 g	0.0329709 g	A
NE-50	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4468098 g	1.1 g	0.0329709 g	A
NE-51	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4868098 g	1.1 g	0.0329709 g	A
NE-52	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5868098 g	1.1 g	0.0329709 g	A
NE-53	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5618098 g	1.1 g	0.0329709 g	A
NE-54	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3268098 g	1.1 g	0.0329709 g	A
NE-55	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5018098 g	1.1 g	0.0329709 g	A
NE-56	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4718098 g	1.1 g	0.0329709 g	A
NE-57	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5068098 g	1.1 g	0.0329709 g	A
NE-58	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0768098 g	1.1 g	0.0329709 g	A
NE-59	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7318098 g	1.1 g	0.0329709 g	A
NE-60	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0368098 g	1.1 g	0.0329709 g	A
WM-2-89-1	1	0	1 kg	CC1201-kg	1kgd	0.0430716 g	0.1 g	0.0004024 g	A
WM-2-89-1	2	0	500 g	CC1201-kg	500gd	0.0361294 g	0.07 g	0.0003983 g	A
WM-2-89-1	3	0	200 g	CC1201-kg	200gd	0.0004214 g	0.04 g	0.0003971 g	A
WM-2-89-1	4	0	200 g*	CC1201-kg	200gd	-0.0053786 g	0.04 g	0.0003971 g	A
WM-2-89-1	5	0	100 g	AT106-gm	100gv	0.0147065 g	0.02 g	0.0000366 g	A

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

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Submitted By: Nate Jeter

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM-2-89-1	6	0	50 g	AT106-gm	50gv	-0.0032302 g	0.01 g	0.0000332 g	A
WM-2-89-1	7	0	20 g	AT106-gm	20gv	0.0024006 g	0.004 g	0.0000320 g	A
WM-2-89-1	8	0	20 g*	AT106-gm	20gv	0.0021266 g	0.004 g	0.0000320 g	A
WM-2-89-1	9	0	10 g	AT106-gm	10gv	0.0010362 g	0.002 g	0.0000321 g	A
WM-2-89-1	10	0	5 g	UMT5/6-gm	5gv	0.0001631 g	0.0015 g	0.0000089 g	A
WM-2-89-1	11	0	2 g	UMT5/6-gm	2gv	0.0002701 g	0.0011 g	0.0000084 g	A
WM-2-89-1	12	0	2 g*	UMT5/6-gm	2gv	0.0007081 g	0.0011 g	0.0000084 g	A
WM-2-89-1	13	0	1 g	UMT5/6-gm	1gv	0.0000134 g	0.0009 g	0.0000083 g	A
WM-2-89-1	14	0	500 mg	UMT5/6-gm	500mgv	0.0000345 g	0.00072 g	0.0000083 g	A
WM-2-89-1	15	0	200 mg	UMT5/6-gm	200mgv	0.0000017 g	0.00054 g	0.0000083 g	A
WM-2-89-1	16	0	200 mg*	UMT5/6-gm	200mgv	0.0002047 g	0.00054 g	0.0000083 g	A
WM-2-89-1	17	0	100 mg	UMT5/6-gm	100mgv	-0.0001341 g	0.00043 g	0.0000083 g	A
WM-2A86	1	0	5 lb	CC1000S-5 lb	NSL-5-1	-0.1434297 g	0.23 g	0.0016699 g	A
WM-2A86	2	0	5 lb	CC1000S-5 lb	NSL-5-1	-0.1252297 g	0.23 g	0.0016699 g	A
WM-2A86	3	0	5 lb	CC1000S-5 lb	NSL-5-1	-0.1342297 g	0.23 g	0.0016699 g	A
WM-2A86	4	0	5 lb	CC1000S-5 lb	NSL-5-1	-0.1528297 g	0.23 g	0.0016699 g	A
WM-2A86	5	0	5 lb	CC1000S-5 lb	NSL-5-1	-0.1086297 g	0.23 g	0.0016699 g	A
WM-2A86	6	0	1 lb	CC1201-lb	NSL-1-1	-0.0200241 g	0.07 g	0.0007427 g	A
WM-2A86	7	0	1 lb	CC1201-lb	NSL-1-1	-0.0082241 g	0.07 g	0.0007427 g	A
WM-2A86	8	0	1 lb	CC1201-lb	NSL-1-1	-0.0263241 g	0.07 g	0.0007427 g	A
WM-2A86	9	0	1 lb	CC1201-lb	NSL-1-1	-0.0039241 g	0.07 g	0.0007427 g	A
WM-2A86	10	0	1 lb	CC1201-lb	NSL-1-1	-0.0001241 g	0.07 g	0.0007427 g	A
WM-2A86	11	0	8 oz	CC1201-lb	NSL-8-1	-0.0398265 g	0.045 g	0.0007356 g	A
WM-2A86	12	0	4 oz	CC1201-lb	NSL-Z	0.0071960 g	0.023 g	0.0007272 g	A
WM-2A86	13	0	2 oz	AT106-lb	NSL-Y	0.0051222 g	0.011 g	0.0000616 g	A
WM-2A86	14	0	1 oz	AT106-lb	2A9-1oz	0.0028439 g	0.0054 g	0.0003667 g	A
WM-2A86	15	0	0.5 oz	AT106-lb	2A9-1.2oz	0.0004279 g	0.0028 g	0.0003666 g	A
WM-2A86	16	0	0.25 oz	AT106-lb	2A9-1.4oz	0.0006745 g	0.0017 g	0.0000532 g	A
WM-2A86	17	0	0.125 oz	UMT5/6-lb	2A9-1.8oz	0.0005812 g	0.0013 g	0.0000127 g	A
WM-2A86	18	0	0.0625 oz	UMT5/6-lb	2A9-1.16oz	0.0001514 g	0.0011 g	0.0000127 g	A
WM-2A86	19	0	0.03125 oz	UMT5/6-lb	2A9-1.32oz	0.0002041 g	0.00087 g	0.0000118 g	A
WM-2A86	20	0	0.03125 oz*	UMT5/6-lb	2A9-1.32oz	0.0004920 g	0.00087 g	0.0000118 g	A
WM-D27	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8731902 g	1.1 g	0.0329709 g	A

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

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

NE Cert No: 20110019
 Date: 2/8/2011
 P.O. No:
 Observer: CEO

Submitted By: Nate Jeter

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM-D27	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2718098 g	1.1 g	0.0329709 g	A
WM-D31	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.4431902 g	1.1 g	0.0329709 g	R
WM-D31	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3718098 g	1.1 g	0.0329709 g	A
WM-D32	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8431902 g	1.1 g	0.0329709 g	A
WM-D32	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3918098 g	1.1 g	0.0329709 g	A
WM-D33	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7281902 g	1.1 g	0.0329709 g	A
WM-D34	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.1281902 g	1.1 g	0.0329709 g	A
WM-D35	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.0381902 g	1.1 g	0.0329709 g	A
WM-D36	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2981902 g	1.1 g	0.0329709 g	A
WM-D37	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3668098 g	1.1 g	0.0329709 g	A
WM-D38	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6881902 g	1.1 g	0.0329709 g	A
WM-D39	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.3781902 g	1.1 g	0.0329709 g	A
WM-D40	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.1881902 g	1.1 g	0.0329709 g	A
WM-D41	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6231902 g	1.1 g	0.0329709 g	A
WM-D42	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4268098 g	1.1 g	0.0329709 g	A
WM-D43	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7331902 g	1.1 g	0.0329709 g	A
WM-D45	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7481902 g	1.1 g	0.0329709 g	A
WM-D46	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5831902 g	1.1 g	0.0329709 g	A
WM-D47	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6531902 g	1.1 g	0.0329709 g	A
WM-D48	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5281902 g	1.1 g	0.0329709 g	A
WM-D49	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8981902 g	1.1 g	0.0329709 g	A
WM-D49	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2018098 g	1.1 g	0.0329709 g	A
WM-D50	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5318098 g	1.1 g	0.0329709 g	A

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

SOP 19 - Volume Transfer Test Results

Agency ID: 55

Agency: Food Safety & Consumer Protection
Area 55

, -

Form No.: NE03LF12-R00

NE Cert No: 20110019

Date: 2/8/2011

P.O. No:

Submitted By: Nate Jeter

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

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	44.6 °F	0.999902	0 in3

Test Measure Information

Water Temperature: 44.6 °F
Water Density: 0.999902 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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

SOP 19 - Volume Transfer Test Results

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NE Cert No: 20110019

Date: 2/8/2011

P.O. No:

Submitted By: Nate Jeter

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

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	44.3 °F	0.999909	0 in3

Test Measure Information

Water Temperature: 44.3 °F
Water Density: 0.999909 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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Date: 2/8/2011

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Submitted By: Nate Jeter

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

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	44.4 °F	0.999907	0 in3

Test Measure Information

Water Temperature: 44.4 °F
Water Density: 0.999907 g/cm³
Scale Reading: 0 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	44.4 °F	0.999907	0 in3

Test Measure Information

Water Temperature: 44.4 °F
Water Density: 0.999907 g/cm³
Scale Reading: -0.2 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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Serial #: 39423-J
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	45.3 °F	0.999883	0 in3

Test Measure Information

Water Temperature: 45.3 °F
Water Density: 0.999883 g/cm³
Scale Reading: -0.2 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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P.O. No:

Submitted By: Nate Jeter

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Serial #: 99-10030-01
Retest #: 0
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	45.1 °F	0.999888	0 in3

Test Measure Information

Water Temperature: 45.1 °F
Water Density: 0.999888 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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Serial #: 99-10030-01
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	44.7 °F	0.999899	0 in3

Test Measure Information

Water Temperature: 44.7 °F
Water Density: 0.999899 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

Nebraska Standards Laboratory
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(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 55

Agency: Food Safety & Consumer Protection
Area 55

Form No.: NE03LF12-R00

NE Cert No: 20110019

Date: 2/8/2011

P.O. No:

Submitted By: Nate Jeter

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Serial #: 99-10030-02
Retest #: 0
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	45 °F	0.999891	0 in3

Test Measure Information

Water Temperature: 45 °F
Water Density: 0.999891 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

Nebraska Standards Laboratory
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Lincoln, NE 68524
(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 55

Agency: Food Safety & Consumer Protection
Area 55

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Form No.: NE03LF12-R00

NE Cert No: 20110019

Date: 2/8/2011

P.O. No:

Submitted By: Nate Jeter

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Serial #: 99-10030-02
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	45 °F	0.999891	0 in3

Test Measure Information

Water Temperature: 45 °F
Water Density: 0.999891 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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

SOP 19 - Volume Transfer Test Results

Agency ID: 55

Agency: Food Safety & Consumer Protection
Area 55

Form No.: NE03LF12-R00

NE Cert No: 20110019

Date: 2/8/2011

P.O. No:

Submitted By: Nate Jeter

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Serial #: 99-10030-03
Retest #: 0
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	44.8 °F	0.999896	0 in3

Test Measure Information

Water Temperature: 44.8 °F
Water Density: 0.999896 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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Lincoln, NE 68524
(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 55

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Area 55

Form No.: NE03LF12-R00

NE Cert No: 20110019

Date: 2/8/2011

P.O. No:

Submitted By: Nate Jeter

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Serial #: 99-10030-03
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	44.4 °F	0.999907	0 in3

Test Measure Information

Water Temperature: 44.4 °F
Water Density: 0.999907 g/cm³
Scale Reading: -0.25 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons