State of Nebraska

Dave Heineman
Governor

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 25
, -

Date: 2/27/2012
Agency ID: 25
NE Cert No: 20120024
P.O. No:

Submitted By: Russ Todd

Electronic Copy **Page 1**

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
5 gal	0233	1	VL	A
5 gal	0234	1	VL	A
5 gal	0235	1	VL	A
4 kg	4	1	4	A
5 gal	43872	1	VL	A
5 gal	4393-5-H	1	VL	A
2 lb	7A1	1	F	A
2 lb	7A1	2	F	A
2 lb	7A1	3	F	A
2 lb	7A1	4	F	A
2 lb	7A1	5	F	A
2 lb	7A1	6	F	A
2 lb	7A1	7	F	A
2 lb	7A1	8	F	A
2 lb	7A1	9	F	A
2 lb	7A1	10	F	A
2 lb	7A1	11	F	A
2 lb	7A1	12	F	A
2 lb	7A1	13	F	A
2 lb	7A1	14	F	A
1 lb	7A1	15	F	A
1 lb	7A1	16	F	A
8 oz	7A1	17	F	A
4 oz	7A1	18	F	A
2 oz	7A1	19	F	A

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
1 oz	7A1	20	F	A
0.5 oz	7A1	21	F	A
0.25 oz	7A1	22	F	A
0.125 oz	7A1	23	F	A
0.0625 oz	7A1	24	F	A
0.0625 oz*	7A1	25	F	A
0.3 lb	7A1	26	F	A
0.2 lb	7A1	27	F	A
0.1 lb	7A1	28	F	A
0.05 lb	7A1	29	F	A
0.03 lb	7A1	30	F	A
0.02 lb	7A1	31	F	A
0.01 lb	7A1	32	F	A
0.005 lb	7A1	33	F	A
0.003 lb	7A1	34	F	A
0.002 lb	7A1	35	F	A
0.001 lb	7A1	36	F	A
0.001 lb*	7A1	37	F	A
1000 lb	A-2	1	F	A
1000 lb	A-5	1	F	A
1000 lb	B-1	1	F	A
1000 lb	BA-14	1	F	A
25 lb	D32	1	F	A
25 lb	D33	1	F	A
25 lb	D35	1	F	A
25 lb	D36	1	F	A
25 lb	D37	1	F	A
25 lb	D39	1	F	A
2 kg	K3	1	F	A
1000 lb	OA10	1	F	A
1000 lb	OA13	1	F	A
1000 lb	OA14	1	F	A
1000 lb	OA16	1	F	A
1000 lb	OA17	1	F	A
1000 lb	OA18	1	F	A
1000 lb	OA19	1	F	A

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
1000 lb	OA3	1	F	A
1000 lb	OA4	1	F	A
1000 lb	OA5	1	F	A
1000 lb	OA6	1	F	A
1000 lb	OA8	1	F	A
1000 lb	OPI-A1	1	F	A
1000 lb	OPI-A11	1	F	A
1000 lb	OPI-A12	1	F	A
1000 lb	OPI-A2	1	F	A
1000 lb	OPI-A7	1	F	A
50 lb	OPI-C17	1	F	A
50 lb	OPI-C23	1	F	A
50 lb	OPI-C24	1	F	A
50 lb	OPI-C32	1	F	A
50 lb	OPI-C36	1	F	A
50 lb	OPI-C39	1	F	A
50 lb	OPI-C49	1	F	A
50 lb	OPI-C7	1	F	A
50 lb	OPI-C8	1	F	A
50 lb	OPI-C9	1	F	A
50 lb	SF-C21	1	F	A
25 lb	WM25-104	1	F	A
25 lb	WM25-33	1	F	A
25 lb	WM25-39	1	F	A
25 lb	WM25-48	1	F	A
25 lb	WM25-49	1	F	A
25 lb	WM25-50	1	F	A
25 lb	WM25-80	1	F	A
25 lb	WM25-81	1	F	A
25 lb	WM25-82	1	F	A
25 lb	WM25-83	1	F	A
25 lb	WM25-84	1	F	A
25 lb	WM25-85	1	F	A
25 lb	WM25-86	1	F	A
25 lb	WM25-87	1	F	A
1 kg	WM-2-89-6	1	F	A
500 g	WM-2-89-6	2	F	A
200 g	WM-2-89-6	3	F	A
200 g*	WM-2-89-6	4	F	A
100 g	WM-2-89-6	5	F	A
50 g	WM-2-89-6	6	F	A
20 g	WM-2-89-6	7	F	A

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
20 g*	WM-2-89-6	8	F	A
10 g	WM-2-89-6	9	F	A
5 g	WM-2-89-6	10	F	A
2 g	WM-2-89-6	11	F	A
2 g*	WM-2-89-6	12	F	A
1 g	WM-2-89-6	13	F	A
500 mg	WM-2-89-6	14	F	A
200 mg	WM-2-89-6	15	F	A
200 mg*	WM-2-89-6	16	F	A
100 mg	WM-2-89-6	17	F	A
50 lb	WM-41	1	F	A
50 lb	WM50-40	1	F	A
50 lb	WM50-70	1	F	A
10 lb	WM-6C98	1	F	A
5 lb	WM-6C98	2	F	A
2 lb	WM-6C98	3	F	A
2 lb*	WM-6C98	4	F	A
1 lb	WM-6C98	5	F	A
0.5 lb	WM-6C98	6	F	A
0.2 lb	WM-6C98	7	F	A
0.2 lb*	WM-6C98	8	F	A
0.1 lb	WM-6C98	9	F	A
0.05 lb	WM-6C98	10	F	A
0.02 lb	WM-6C98	11	F	A
0.02 lb*	WM-6C98	12	F	A
0.01 lb	WM-6C98	13	F	A
0.005 lb	WM-6C98	14	F	A
0.002 lb	WM-6C98	15	F	A
0.002 lb*	WM-6C98	16	F	A
0.001 lb	WM-6C98	17	F	A
50 lb	WM-C-A13	1	F	A
50 lb	WM-C-A14	1	F	A
50 lb	WM-C-A15	1	F	A
50 lb	WM-C-A17	1	F	A
50 lb	WM-C-A18	1	F	A
50 lb	WM-C-A20	1	F	A

Agency: Food Safety & Consumer Protection
Area 25
, -

Date: 2/27/2012
Agency ID: 25
NE Cert No: 20120024
P.O. No:

Submitted By: Russ Todd

Electronic Copy **Page 5**

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject

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

Craig E. Olsen
Nebraska State Metrologist

State of Nebraska

Dave Heineman
Governor

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 25
, -

Date: 3/2/2012
Agency ID: 25
NE Cert No: 20120026
P.O. No:

Submitted By: Russ Todd

Electronic Copy **Page 1**

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

Agency: Food Safety & Consumer Protection
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Electronic Copy **Page 2**

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject

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.

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☑ ***See 'Test Results' attached***

☐ ***See report/letter attached***

Craig E Olsen

Craig E. Olsen
Nebraska State Metrologist

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

SOP 4 - Double Substitution - Summary Of Test Results

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120026
Date: 3/2/2012
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Russ Todd

Electronic Copy

Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-8	1	300.00396743	300.00304891	0.00014956	CC1201 / 1 kg	300gd
200 g	WM-G89-8	2	200.00421915	200.00360680	0.00014876	CC1201 / 1 kg	200gd
100 g	WM-G89-8	3	100.00088580	100.00057963	0.00006349	AT106_100G	100grl
50 g	WM-G89-8	4	50.00078331	50.00063023	0.00003858	AT106_50G	50grl
30 g	WM-G89-8	5	30.00055997	30.00046812	0.00003094	AT106_50G	30grl
20 g	WM-G89-8	6	20.00057004	20.00050880	0.00002070	AT106_20G	20grl
10 g	WM-G89-8	7	10.00021370	10.00018308	0.00001808	AT106_10G	10grl
5 g	WM-G89-8	8	5.00037417	5.00035886	0.00000713	UMT5/6_5G	5grl
3 g	WM-G89-8	9	3.00026795	3.00025876	0.00000622	UMT5/6_5G	3grl
2 g	WM-G89-8	10	2.00004876	2.00004264	0.00000622	UMT5/6_5G	2grl
1 g	WM-G89-8	11	1.00004206	1.00003900	0.00000574	UMT5/6_1G	1grl
500 mg	WM-G89-8	12	0.50000835	0.50000682	0.00000526	UMT5/6_1G	500mgrl
200 mg	WM-G89-8	13	0.19999281	0.19999220	0.00000508	UMT5/6_1G	200mgrl
200 mg*	WM-G89-8	14	0.19997112	0.19997051	0.00000235	CCE6_1G	200mgrl
100 mg	WM-G89-8	15	0.09996279	0.09996249	0.00000209	CCE6_100MG	100mgrl
50 mg	WM-G89-8	16	0.05000062	0.05000046	0.00000208	CCE6_100MG	50mgrl
20 mg	WM-G89-8	17	0.02003701	0.02003111	0.00000205	CCE6_100MG	20mgrl
20 mg*	WM-G89-8	18	0.02002816	0.02002226	0.00000205	CCE6_100MG	20mgrl
10 mg	WM-G89-8	19	0.00998986	0.00998692	0.00000205	CCE6_10MG	10mgrl
5 mg	WM-G89-8	20	0.00500103	0.00499956	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. Uncertainity values are calculated using a K factor of 2.

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

SOP 4 - Double Substitution - Summary Of Test Results

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120026
Date: 3/2/2012
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

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Electronic Copy

Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
2 mg	WM-G89-8	21	0.00200290	0.00200231	0.00000204	CCE6_10MG	2mgrl
2 mg*	WM-G89-8	22	0.00200220	0.00200161	0.00000204	CCE6_10MG	2mgrl
1 mg	WM-G89-8	23	0.00101006	0.00100976	0.00000203	CCE6_10MG	1mgrl

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. Uncertainity values are calculated using a K factor of 2.

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

SOP 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:
Observer: CEO

Submitted By: Russ Todd

Electronic Copy

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
4	1	0	4 kg	CC10000S_5kg	4kg	0.0532082 g	0.08 g	0.0007868 g	A
7A1	1	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0143957 g	0.091 g	0.0022576 g	A
7A1	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0257957 g	0.091 g	0.0022576 g	A
7A1	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0265957 g	0.091 g	0.0022576 g	A
7A1	4	0	2 lb	CC1201_2 lb	NSL-2-1	0.0044043 g	0.091 g	0.0022576 g	A
7A1	5	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0326957 g	0.091 g	0.0022576 g	A
7A1	6	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0433957 g	0.091 g	0.0022576 g	A
7A1	7	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0419957 g	0.091 g	0.0022576 g	A
7A1	8	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0532957 g	0.091 g	0.0022576 g	A
7A1	9	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0067957 g	0.091 g	0.0022576 g	A
7A1	10	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0028957 g	0.091 g	0.0022576 g	A
7A1	11	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0382957 g	0.091 g	0.0022576 g	A
7A1	12	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0055957 g	0.091 g	0.0022576 g	A
7A1	13	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0480957 g	0.091 g	0.0022576 g	A
7A1	14	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0538957 g	0.091 g	0.0022576 g	A
7A1	15	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0081727 g	0.07 g	0.0004510 g	A
7A1	16	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0052727 g	0.07 g	0.0004510 g	A
7A1	17	0	8 oz	CC1201_8 oz	NSL-8-1	-0.0073671 g	0.045 g	0.0003594 g	A
7A1	18	0	4 oz	CC1201_8 oz	NSL-Z	-0.0044040 g	0.023 g	0.0003420 g	A
7A1	19	0	2 oz	AT106_50g	NSL-Y	0.0044962 g	0.011 g	0.0000387 g	A
7A1	20	0	1 oz	AT106_50g	2A9-1oz	0.0018469 g	0.0054 g	0.0003636 g	A
7A1	21	0	0.5 oz	AT106_50g	2A9-1.2oz	0.0006949 g	0.0028 g	0.0003635 g	A
7A1	22	0	0.25 oz	AT106_20g	2A9-1.4oz	-0.0000835 g	0.0017 g	0.0000174 g	A
7A1	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	-0.0007133 g	0.0013 g	0.0000092 g	A
7A1	24	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0002597 g	0.0011 g	0.0000092 g	A
7A1	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	-0.0002520 g	0.0011 g	0.0000092 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. Uncertainity values are calculated using a K factor of 2.

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

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
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NE Cert No: 20120024
Date: 2/27/2012
P.O. No:
Observer: CEO

Submitted By: Russ Todd

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
7A1	26	0	0.3 lb	CC1201_8 oz	NSL-WK1	-0.0007100 g	0.027 g	0.0003482 g	A
7A1	27	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0010799 g	0.018 g	0.0000666 g	A
7A1	28	0	0.1 lb	AT106_0.2 lb	NSL-WK3	-0.0049793 g	0.0091 g	0.0000606 g	A
7A1	29	0	0.05 lb	AT106_0.05 lb	NSL-WK4	-0.0008639 g	0.0045 g	0.0000311 g	A
7A1	30	0	0.03 lb	AT106_0.05 lb	NSL-WK5	-0.0019697 g	0.0027 g	0.0000221 g	A
7A1	31	0	0.02 lb	AT106_0.05 lb	NSL-WK6	-0.0007926 g	0.0018 g	0.0000251 g	A
7A1	32	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0009337 g	0.0015 g	0.0000105 g	A
7A1	33	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	-0.0000522 g	0.0012 g	0.0000092 g	A
7A1	34	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	-0.0005097 g	0.00099 g	0.0000088 g	A
7A1	35	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	0.0003008 g	0.00087 g	0.0000082 g	A
7A1	36	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0002205 g	0.0007 g	0.0000081 g	A
7A1	37	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	0.0002561 g	0.0007 g	0.0000081 g	A
A-2	1	0	1000 lb	XP604KM_1K lb	C24	-12.0207401 g	45 g	1.6453938 g	A
A-5	1	0	1000 lb	XP604KM_1K lb	C24	25.4792599 g	45 g	1.6453938 g	A
B-1	1	0	1000 lb	XP604KM_1K lb	C24	1.7792599 g	45 g	1.6453938 g	A
BA-14	1	0	1000 lb	XP604KM_1K lb	C24	-25.3207401 g	45 g	1.6453938 g	A
D32	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4018098 g	1.1 g	0.0343044 g	R
D32	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.8268098 g	1.1 g	0.0343044 g	A
D33	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3418098 g	1.1 g	0.0343044 g	R
D33	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0881902 g	1.1 g	0.0343044 g	A
D35	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3568098 g	1.1 g	0.0343044 g	R
D35	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6318098 g	1.1 g	0.0343044 g	A
D36	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2918098 g	1.1 g	0.0343044 g	R
D36	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0668098 g	1.1 g	0.0343044 g	A
D37	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9868098 g	1.1 g	0.0343044 g	A
D39	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.6318098 g	1.1 g	0.0343044 g	R
D39	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.5318098 g	1.1 g	0.0343044 g	A
K3	1	0	2 kg	CC10000S_2kg	2kgd	-0.0313774 g	0.2 g	0.0010723 g	A
OA10	1	0	1000 lb	XP604KM_1K lb	C24	33.1792599 g	45 g	1.6453938 g	A
OA13	1	0	1000 lb	XP604KM_1K lb	C24	30.6792599 g	45 g	1.6453938 g	A
OA14	1	0	1000 lb	XP604KM_1K lb	C24	40.6792599 g	45 g	1.6453938 g	A
OA16	1	0	1000 lb	XP604KM_1K lb	C24	-29.3207401 g	45 g	1.6453938 g	A
OA17	1	0	1000 lb	XP604KM_1K lb	C24	30.7792599 g	45 g	1.6453938 g	A

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

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
OA18	1	0	1000 lb	XP604KM_1K lb	C24	55.8792599 g	45 g	1.6453938 g	R
OA18	1	1	1000 lb	XP604KM_1K lb	C24	1.4792599 g	45 g	1.6453938 g	A
OA19	1	0	1000 lb	XP604KM_1K lb	C24	-28.6207401 g	45 g	1.6453938 g	A
OA3	1	0	1000 lb	XP604KM_1K lb	C24	-13.4207401 g	45 g	1.6453938 g	A
OA4	1	0	1000 lb	XP604KM_1K lb	C24	4.9792599 g	45 g	1.6453938 g	A
OA5	1	0	1000 lb	XP604KM_1K lb	C24	-10.7207401 g	45 g	1.6453938 g	A
OA6	1	0	1000 lb	XP604KM_1K lb	C24	12.0792599 g	45 g	1.6453938 g	A
OA8	1	0	1000 lb	XP604KM_1K lb	C24	10.1792599 g	45 g	1.6453938 g	A
OPI-A1	1	0	1000 lb	XP604KM_1K lb	C24	-0.3207401 g	45 g	1.6453938 g	A
OPI-A11	1	0	1000 lb	XP604KM_1K lb	C24	-16.3207401 g	45 g	1.6453938 g	A
OPI-A12	1	0	1000 lb	XP604KM_1K lb	C24	-16.4207401 g	45 g	1.6453938 g	A
OPI-A2	1	0	1000 lb	XP604KM_1K lb	C24	-15.6207401 g	45 g	1.6453938 g	A
OPI-A7	1	0	1000 lb	XP604KM_1K lb	C24	-21.2207401 g	45 g	1.6453938 g	A
OPI-C17	1	0	50 lb	KA30-3_50lb	NSL-50-1	2.5201509 g	2.3 g	0.0504424 g	R
OPI-C17	1	1	50 lb	KA30-3_50lb	NSL-50-1	0.1051509 g	2.3 g	0.0504424 g	A
OPI-C23	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.6151509 g	2.3 g	0.0504424 g	A
OPI-C24	1	0	50 lb	KA30-3_50lb	NSL-50-1	0.8951509 g	2.3 g	0.0504424 g	A
OPI-C32	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.1148491 g	2.3 g	0.0504424 g	A
OPI-C36	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.0348491 g	2.3 g	0.0504424 g	A
OPI-C39	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.1101509 g	2.3 g	0.0504424 g	A
OPI-C49	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.5048491 g	2.3 g	0.0504424 g	A
OPI-C7	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.3101509 g	2.3 g	0.0504424 g	A
OPI-C8	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.7751509 g	2.3 g	0.0504424 g	A
OPI-C9	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.1448491 g	2.3 g	0.0504424 g	A
SF-C21	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.3451509 g	2.3 g	0.0504424 g	A
WM25-104	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4018098 g	1.1 g	0.0343044 g	A
WM25-33	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6668098 g	1.1 g	0.0343044 g	A
WM25-39	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2781902 g	1.1 g	0.0343044 g	A
WM25-48	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0968098 g	1.1 g	0.0343044 g	A
WM25-48	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0018098 g	1.1 g	0.0343044 g	A
WM25-49	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2418098 g	1.1 g	0.0343044 g	R
WM25-49	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.5118098 g	1.1 g	0.0343044 g	A
WM25-50	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.9918098 g	1.1 g	0.0343044 g	R

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

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Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:
Observer: CEO

Submitted By: Russ Todd

Electronic Copy

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM25-50	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1218098 g	1.1 g	0.0343044 g	A
WM25-80	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0018098 g	1.1 g	0.0343044 g	A
WM25-81	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.7718098 g	1.1 g	0.0343044 g	R
WM25-81	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.6981902 g	1.1 g	0.0343044 g	A
WM25-82	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4518098 g	1.1 g	0.0343044 g	A
WM25-83	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0018098 g	1.1 g	0.0343044 g	A
WM25-84	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0318098 g	1.1 g	0.0343044 g	A
WM25-84	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.5868098 g	1.1 g	0.0343044 g	A
WM25-85	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7168098 g	1.1 g	0.0343044 g	A
WM25-86	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8768098 g	1.1 g	0.0343044 g	A
WM25-87	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3268098 g	1.1 g	0.0343044 g	R
WM25-87	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6668098 g	1.1 g	0.0343044 g	A
WM-2-89-6	1	0	1 kg	CC1201_1 kg	1kgd	0.0445716 g	0.1 g	0.0002927 g	A
WM-2-89-6	2	0	500 g	CC1201_1 kg	500gd	0.0489294 g	0.07 g	0.0002870 g	A
WM-2-89-6	3	0	200 g	CC1201_1 kg	200gd	0.0044214 g	0.04 g	0.0002855 g	A
WM-2-89-6	4	0	200 g*	CC1201_1 kg	200gd	0.0009214 g	0.04 g	0.0002855 g	A
WM-2-89-6	5	0	100 g	AT106_100g	100gv	0.0026695 g	0.02 g	0.0000275 g	A
WM-2-89-6	6	0	50 g	AT106_50g	50gv	-0.0010932 g	0.01 g	0.0000196 g	A
WM-2-89-6	7	0	20 g	AT106_20g	20gv	0.0013306 g	0.004 g	0.0000084 g	A
WM-2-89-6	8	0	20 g*	AT106_20g	20gv	0.0033716 g	0.004 g	0.0000084 g	A
WM-2-89-6	9	0	10 g	AT106_10g	10gv	0.0009342 g	0.002 g	0.0000076 g	A
WM-2-89-6	10	0	5 g	CCE6_5 gm	5gv	-0.0008013 g	0.0015 g	0.0000075 g	A
WM-2-89-6	11	0	2 g	CCE6_5 gm	2gv	0.0002336 g	0.0011 g	0.0000027 g	A
WM-2-89-6	12	0	2 g*	CCE6_5 gm	2gv	0.0000331 g	0.0011 g	0.0000027 g	A
WM-2-89-6	13	0	1 g	CCE6_1 gm	1gv	0.0004030 g	0.0009 g	0.0000024 g	A
WM-2-89-6	14	0	500 mg	CCE6_1 gm	500mgv	0.0003685 g	0.00072 g	0.0000023 g	A
WM-2-89-6	15	0	200 mg	CCE6_1 gm	200mgv	0.0003638 g	0.00054 g	0.0000022 g	A
WM-2-89-6	16	0	200 mg*	CCE6_1 gm	200mgv	0.0003569 g	0.00054 g	0.0000022 g	A
WM-2-89-6	17	0	100 mg	CCE6_100 mg	100mgv	0.0002647 g	0.00043 g	0.0000041 g	A
WM-41	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.3998491 g	2.3 g	0.0504424 g	A
WM50-40	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.3951509 g	2.3 g	0.0504424 g	A
WM50-70	1	0	50 lb	KA30-3_50lb	NSL-50-1	0.6701509 g	2.3 g	0.0504424 g	A
WM-6C98	1	0	10 lb	CC10000S_10lb	NEBR-STD-10	0.1586326 g	0.45 g	0.0018514 g	A

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

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Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:
Observer: CEO

Submitted By: Russ Todd

Electronic Copy

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM-6C98	2	0	5 lb	CC10000S_5lb	NSL-5-1	0.0755703 g	0.23 g	0.0016486 g	A
WM-6C98	3	0	2 lb	CC1201_2 lb	NSL-2-1	0.0412043 g	0.091 g	0.0022576 g	A
WM-6C98	4	0	2 lb*	CC1201_2 lb	NSL-2-1	0.0487043 g	0.091 g	0.0022576 g	A
WM-6C98	5	0	1 lb	CC1201_1 lb	NSL-1-1	0.0296273 g	0.07 g	0.0004510 g	A
WM-6C98	6	0	0.5 lb	CC1201_8 oz	NSL-8-1	0.0285329 g	0.045 g	0.0003594 g	A
WM-6C98	7	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0082599 g	0.018 g	0.0000666 g	A
WM-6C98	8	0	0.2 lb*	AT106_0.2 lb	NSL-WK2	0.0087759 g	0.018 g	0.0000666 g	A
WM-6C98	9	0	0.1 lb	AT106_0.2 lb	NSL-WK3	0.0041057 g	0.0091 g	0.0000606 g	A
WM-6C98	10	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0021391 g	0.0045 g	0.0000311 g	A
WM-6C98	11	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0008644 g	0.0018 g	0.0000251 g	A
WM-6C98	12	0	0.02 lb*	AT106_0.05 lb	NSL-WK6	0.0008654 g	0.0018 g	0.0000251 g	A
WM-6C98	13	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0006080 g	0.0015 g	0.0000105 g	A
WM-6C98	14	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0005777 g	0.0012 g	0.0000092 g	A
WM-6C98	15	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	0.0000036 g	0.00087 g	0.0000082 g	A
WM-6C98	16	0	0.002 lb*	CCE6_0.01 lb	NSL-WK10	0.0004524 g	0.00087 g	0.0000082 g	A
WM-6C98	17	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0001837 g	0.0007 g	0.0000081 g	A
WM-C-A13	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.8151509 g	2.3 g	0.0504424 g	A
WM-C-A14	1	0	50 lb	KA30-3_50lb	NSL-50-1	-1.0598491 g	2.3 g	0.0504424 g	A
WM-C-A15	1	0	50 lb	KA30-3_50lb	NSL-50-1	0.4151509 g	2.3 g	0.0504424 g	A
WM-C-A17	1	0	50 lb	KA30-3_50lb	NSL-50-1	0.9301509 g	2.3 g	0.0504424 g	A
WM-C-A18	1	0	50 lb	KA30-3_50lb	NSL-50-1	2.5351509 g	2.3 g	0.0504424 g	R
WM-C-A18	1	1	50 lb	KA30-3_50lb	NSL-50-1	0.6251509 g	2.3 g	0.0504424 g	A
WM-C-A20	1	0	50 lb	KA30-3_50lb	NSL-50-1	0.1151509 g	2.3 g	0.0504424 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

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 0233
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	45.4 °F	0.999880	0 in3

Test Measure Information

Water Temperature: 45.4 °F
Water Density: 0.999880 g/cm³
Scale Reading: -0.5 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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

SOP 19 - Volume Transfer Test Results

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 0233
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	44.8 °F	0.999896	0 in3

Test Measure Information

Water Temperature: 44.8 °F
Water Density: 0.999896 g/cm³
Scale Reading: -0.5 cu.in.

Test Results

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

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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

SOP 19 - Volume Transfer Test Results

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 0234
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	48.3 °F	0.999776	0 in3

Test Measure Information

Water Temperature: 48.3 °F
Water Density: 0.999776 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

Form No.: NE03LF12-R00

Agency ID: 25
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Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 0234
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	45.9 °F	0.999864	0 in3

Test Measure Information

Water Temperature: 45.9 °F
Water Density: 0.999864 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

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 0235
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	45.2 °F	0.999885	0 in3

Test Measure Information

Water Temperature: 45.2 °F
Water Density: 0.999885 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

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 0235
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	44.8 °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

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

SOP 19 - Volume Transfer Test Results

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 43872
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	44.9 °F	0.999894	0 in3

Test Measure Information

Water Temperature: 44.9 °F
Water Density: 0.999894 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

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 43872
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	44.8 °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

Form No.: NE03LF12-R00

Agency ID: 25
Agency: Food Safety & Consumer Protection
Area 25
, -

NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

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

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	46.2 °F	0.999855	0 in3

Test Measure Information

Water Temperature: 46.2 °F
Water Density: 0.999855 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

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Area 25
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NE Cert No: 20120024
Date: 2/27/2012
P.O. No:

Submitted By: Russ Todd

Serial #: 4393-5-H
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	45.8 °F	0.999868	0 in3

Test Measure Information

Water Temperature: 45.8 °F
Water Density: 0.999868 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