



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 65

Date: 3/11/2013
Agency ID: 65
NE Cert No: 20130020
P.O. No:

Submitted By: Scott Bantam

Electronic Copy Page 1

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
2 lb	10-OPI-10	1	F	A
2 lb	10-OPI-10	2	F	A
2 lb	10-OPI-10	3	F	A
1 lb	10-OPI-10	4	F	A
8 oz	10-OPI-10	5	F	A
4 oz	10-OPI-10	6	F	A
2 oz	10-OPI-10	7	F	A
1 oz	10-OPI-10	8	F	A
0.5 oz	10-OPI-10	9	F	A
0.25 oz	10-OPI-10	10	F	A
0.125 oz	10-OPI-10	11	F	A
0.0625 oz	10-OPI-10	12	F	A
0.0625 oz*	10-OPI-10	13	F	A
0.3 lb	10-OPI-10	14	F	A
0.2 lb	10-OPI-10	15	F	A
0.1 lb	10-OPI-10	16	F	A
0.05 lb	10-OPI-10	17	F	A
0.03 lb	10-OPI-10	18	F	A
0.02 lb	10-OPI-10	19	F	A
0.01 lb	10-OPI-10	20	F	A
0.005 lb	10-OPI-10	21	F	A
0.003 lb	10-OPI-10	22	F	A
0.002 lb	10-OPI-10	23	F	A
0.001 lb	10-OPI-10	24	F	A
0.001 lb*	10-OPI-10	25	F	A

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

Administration
P.O. Box 94947
Lincoln, NE 68509-4947
(402) 471-2341
FAX: (402) 471-6876

Agriculture Laboratories
3703 South 14th Street
Lincoln, NE 68502-5399
(402) 471-2176
FAX: (402) 471-0091

Bureau of Animal Industry
P.O. Box 94987
Lincoln, NE 68509-4787
(402) 471-2351
FAX: (402) 471-6893

Bureau of Dairies & Foods
P.O. Box 95064
Lincoln, NE 68509-5064
(402) 471-2536
FAX: (402) 471-2759

Bureau of Plant Industry
P.O. Box 94956
Lincoln, NE 68509-4756
(402) 471-2394
FAX: (402) 471-6892

Weights and Measures
P.O. Box 94757
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>
0.2 lb	17647	1	F	A
0.2 lb*	17647	2	F	A
0.1 lb	17647	3	F	A
0.05 lb	17647	4	F	A
0.02 lb	17647	5	F	A
0.02 lb*	17647	6	F	A
0.01 lb	17647	7	F	A
0.005 lb	17647	8	F	A
0.002 lb	17647	9	F	A
0.002 lb*	17647	10	F	A
0.001 lb	17647	11	F	A
5 gal	39423G	1	VL	A
5 gal	39423H	1	VL	A
5 gal	9038034	1	VL	A
5 gal	9038035	1	VL	A
5 gal	9038036	1	VL	A
25 lb	NE-61	1	F	A
25 lb	NE-62	1	F	A
25 lb	NE-63	1	F	A
25 lb	NE-64	1	F	A
25 lb	NE-65	1	F	A
25 lb	NE-66	1	F	A
25 lb	NE-67	1	F	A
25 lb	NE-68	1	F	A
25 lb	NE-69	1	F	A
25 lb	NE-70	1	F	A
25 lb	NE-71	1	F	A
25 lb	NE-72	1	F	A
25 lb	NE-73	1	F	A
25 lb	NE-74	1	F	A
25 lb	NE-75	1	F	A
25 lb	NE-76	1	F	A
25 lb	NE-77	1	F	A
25 lb	NE-78	1	F	A
25 lb	NE-79	1	F	A
25 lb	NE-80	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>
2 lb	NSL-1A96	1	F	A
2 lb	NSL-1A96	2	F	A
2 lb	NSL-1A96	3	F	A
2 lb	NSL-1A96	4	F	A
2 lb	NSL-1A96	5	F	A
2 lb	NSL-1A96	6	F	A
2 lb	NSL-1A96	7	F	A
2 lb	NSL-1A96	8	F	A
2 lb	NSL-1A96	9	F	A
2 lb	NSL-1A96	10	F	A
2 lb	NSL-1A96	11	F	A
2 lb	NSL-1A96	12	F	A
2 lb	NSL-1A96	13	F	A
2 lb	NSL-1A96	14	F	A
1 lb	NSL-1A96	15	F	A
1 lb	NSL-1A96	16	F	A
8 oz	NSL-1A96	17	F	A
4 oz	NSL-1A96	18	F	A
2 oz	NSL-1A96	19	F	A
1 oz	NSL-1A96	20	F	A
0.5 oz	NSL-1A96	21	F	A
0.25 oz	NSL-1A96	22	F	A
0.125 oz	NSL-1A96	23	F	A
0.0625 oz	NSL-1A96	24	F	A
0.0625 oz*	NSL-1A96	25	F	A
25 lb	WM-D17	1	F	A
25 lb	WM-D18	1	F	A
25 lb	WM-D19	1	F	A
25 lb	WM-D20	1	F	A
300 g	WM-G89-9	1	4	A
200 g	WM-G89-9	2	4	A
100 g	WM-G89-9	3	4	A
50 g	WM-G89-9	4	4	A
30 g	WM-G89-9	5	4	A
20 g	WM-G89-9	6	4	A
10 g	WM-G89-9	7	4	A
5 g	WM-G89-9	8	3	A
3 g	WM-G89-9	9	4	A
2 g	WM-G89-9	10	4	A
1 g	WM-G89-9	11	4	A
500 mg	WM-G89-9	12	4	A
200 mg	WM-G89-9	13	4	A

Submitted By: Scott Bantam

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Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
200 mg*	WM-G89-9	14	4	A
100 mg	WM-G89-9	15	4	A
50 mg	WM-G89-9	16	4	A
20 mg	WM-G89-9	17	4	A
20 mg*	WM-G89-9	18	4	A
10 mg	WM-G89-9	19	4	A
5 mg	WM-G89-9	20	4	A
2 mg	WM-G89-9	21	4	A
2 mg*	WM-G89-9	22	4	A
1 mg	WM-G89-9	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 - Summary Of Test Results

Agency ID: 65
Agency: Food Safety & Consumer Protection
Area 65

NE Cert No: 20130020
Date: 3/11/2013
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Scott Bantam

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-9	1	300.00609912	300.00518059	0.00014122	CC1201 / 1 kg	300g
200 g	WM-G89-9	2	200.00124161	200.00062927	0.00014016	CC1201 / 1 kg	200g
100 g	WM-G89-9	3	100.00064366	100.00033749	0.00006150	AT106_100G	100grl
50 g	WM-G89-9	4	50.00010768	49.99995460	0.00003668	AT106_50G	50grl
30 g	WM-G89-9	5	30.00001682	29.99992497	0.00002854	AT106_50G	30grl
20 g	WM-G89-9	6	20.00066731	20.00060608	0.00001989	AT106_20G	20grl
10 g	WM-G89-9	7	10.00036051	10.00032990	0.00001605	AT106_10G	10grl
5 g	WM-G89-9	8	5.00015814	5.00014283	0.00000619	CCE6_5G	5grl
3 g	WM-G89-9	9	3.00015974	3.00015056	0.00000512	CCE6_5G	3grl
2 g	WM-G89-9	10	2.00004139	2.00003527	0.00000512	CCE6_5G	2grl
1 g	WM-G89-9	11	1.00001594	1.00001500	0.00000380	CCE6_1G	1g
500 mg	WM-G89-9	12	0.50004587	0.50004434	0.00000343	CCE6_1G	500mgrl
200 mg	WM-G89-9	13	0.20001057	0.20000995	0.00000315	CCE6_1G	200mgrl
200 mg*	WM-G89-9	14	0.20000087	0.20000026	0.00000315	CCE6_1G	200mgrl
100 mg	WM-G89-9	15	0.09997239	0.09997209	0.00000218	CCCE6_100MG	100mgrl
50 mg	WM-G89-9	16	0.05000137	0.05000121	0.00000217	CCCE6_100MG	50mgrl
20 mg	WM-G89-9	17	0.02003809	0.02003219	0.00000214	CCCE6_100MG	20mgrl
20 mg*	WM-G89-9	18	0.02003645	0.02003055	0.00000214	CCCE6_100MG	20mgrl
10 mg	WM-G89-9	19	0.00999468	0.00999174	0.00000215	CCE6_10MG	10mgrl
5 mg	WM-G89-9	20	0.00500330	0.00500182	0.00000213	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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Area 65

NE Cert No: 20130020

Date: 3/11/2013

P.O. No:

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-G89-9	21	0.00200210	0.00200151	0.00000213	CCE6_10MG	2mgrl
2 mg*	WM-G89-9	22	0.00200520	0.00200461	0.00000213	CCE6_10MG	2mgrl
1 mg	WM-G89-9	23	0.00099540	0.00099511	0.00000213	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. Uncertainty values are calculated using a K factor of 2.

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

SOP 19 - Volume Transfer Test Results

Agency ID: 65

Agency: Food Safety & Consumer Protection
Area 65

Form No.: NE03LF12-R00

NE Cert No: 20130020

Date: 3/11/2013

P.O. No:

Submitted By: Scott Bantam

Page 1 of 13

Serial #: 39423G
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: -0.3 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0004 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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Serial #: 39423G
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	44.2 °F	0.999911	0 in3

Test Measure Information

Water Temperature: 44.2 °F
Water Density: 0.999911 g/cm³
Scale Reading: -0.3 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0004 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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Agency ID: 65

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NE Cert No: 20130020

Date: 3/11/2013

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Serial #: 39423H
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: -0.7 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0021 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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SOP 19 - Volume Transfer Test Results

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Serial #: 39423H
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	44.9 °F	0.999894	0 in3

Test Measure Information

Water Temperature: 44.9 °F
Water Density: 0.999894 g/cm³
Scale Reading: -0.3 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0004 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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Serial #: 39423H
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	46.1 °F	0.999858	0 in3

Test Measure Information

Water Temperature: 46.1 °F
Water Density: 0.999858 g/cm³
Scale Reading: -0.3 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0004 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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Serial #: 9038034
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	51.3 °F	0.999632	0 in3

Test Measure Information

Water Temperature: 51.3 °F
Water Density: 0.999632 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

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Serial #: 9038034
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	46.4 °F	0.999848	0 in3

Test Measure Information

Water Temperature: 46.4 °F
Water Density: 0.999848 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

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SOP 19 - Volume Transfer Test Results

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Serial #: 9038035
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	45.8 °F	0.999868	0 in3

Test Measure Information

Water Temperature: 45.8 °F
Water Density: 0.999868 g/cm³
Scale Reading: -1 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0034 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0012 gal.

Accepted/Rejected: R

1 cubic meter = 264.172 gallons

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Serial #: 9038035
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	45.6 °F	0.999874	0 in3

Test Measure Information

Water Temperature: 45.6 °F
Water Density: 0.999874 g/cm³
Scale Reading: -0.25 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 #: 9038035
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	46.5 °F	0.999845	0 in3

Test Measure Information

Water Temperature: 46.5 °F
Water Density: 0.999845 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 #: 9038036
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	46.1 °F	0.999858	0 in3

Test Measure Information

Water Temperature: 46.1 °F
Water Density: 0.999858 g/cm³
Scale Reading: 0.1 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 4.9987 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0012 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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SOP 19 - Volume Transfer Test Results

Agency ID: 65

Agency: Food Safety & Consumer Protection
Area 65

Form No.: NE03LF12-R00

NE Cert No: 20130020

Date: 3/11/2013

P.O. No:

Submitted By: Scott Bantam

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Serial #: 9038036
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	45.4 °F	0.999880	0 in3

Test Measure Information

Water Temperature: 45.4 °F
Water Density: 0.999880 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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Serial #: 9038036
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	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
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SOP 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

Agency ID: 65
 Agency: Food Safety & Consumer Protection
 Area 65
 , -

NE Cert No: 20130020
 Date: 3/11/2013
 P.O. No:
 Observer: CEO

Submitted By: Scott Bantam

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
10-OPI-10	1	0	2 lb	CC1201_2 lb	NSL-2-1	0.0159707 g	0.091 g	0.0018872 g	A
10-OPI-10	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0194293 g	0.091 g	0.0018872 g	A
10-OPI-10	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0180293 g	0.091 g	0.0018872 g	A
10-OPI-10	4	0	1 lb	CC1201_1 lb	NSL-1-1	0.0087555 g	0.07 g	0.0004110 g	A
10-OPI-10	5	0	8 oz	CC1201_8 oz	NSL-8-1	0.0044207 g	0.045 g	0.0004161 g	A
10-OPI-10	6	0	4 oz	CC1201_8 oz	NSL-Z	0.0056721 g	0.023 g	0.0004014 g	A
10-OPI-10	7	0	2 oz	AT106_0.2 lb	NSL-Y	0.0013042 g	0.011 g	0.0000429 g	A
10-OPI-10	8	0	1 oz	AT106_0.2 lb	2A9-1oz	0.0012319 g	0.0054 g	0.0003640 g	A
10-OPI-10	9	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0017519 g	0.0028 g	0.0003637 g	A
10-OPI-10	10	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0012235 g	0.0017 g	0.0000268 g	A
10-OPI-10	11	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	0.0000633 g	0.0013 g	0.0000087 g	A
10-OPI-10	12	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0006125 g	0.0011 g	0.0000087 g	A
10-OPI-10	13	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	0.0004200 g	0.0011 g	0.0000087 g	A
10-OPI-10	14	0	0.3 lb	CC1201_8 oz	NSL-WK1	0.0077897 g	0.027 g	0.0004067 g	A
10-OPI-10	15	0	0.2 lb	AT106_0.2 lb	NSL-WK2	-0.0035076 g	0.018 g	0.0000492 g	A
10-OPI-10	16	0	0.1 lb	AT106_0.2 lb	NSL-WK3	-0.0008167 g	0.0091 g	0.0000407 g	A
10-OPI-10	17	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0026672 g	0.0045 g	0.0000362 g	A
10-OPI-10	18	0	0.03 lb	AT106_0.05 lb	NSL-WK5	-0.0014971 g	0.0027 g	0.0000291 g	A
10-OPI-10	19	0	0.02 lb	AT106_0.05 lb	NSL-WK6	-0.0010793 g	0.0018 g	0.0000282 g	A
10-OPI-10	20	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0008810 g	0.0015 g	0.0000102 g	A
10-OPI-10	21	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0009118 g	0.0012 g	0.0000090 g	A
10-OPI-10	22	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	0.0000422 g	0.00099 g	0.0000085 g	A
10-OPI-10	23	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	-0.0006321 g	0.00087 g	0.0000063 g	A
10-OPI-10	24	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	-0.0000117 g	0.0007 g	0.0000062 g	A
10-OPI-10	25	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	-0.0000297 g	0.0007 g	0.0000062 g	A
17647	1	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0083474 g	0.018 g	0.0000492 g	A

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

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

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

Agency ID: 65
 Agency: Food Safety & Consumer Protection
 Area 65

NE Cert No: 20130020
 Date: 3/11/2013
 P.O. No:
 Observer: CEO

Submitted By: Scott Bantam

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
17647	2	0	0.2 lb*	AT106_0.2 lb	NSL-WK2	0.0093744 g	0.018 g	0.0000492 g	A
17647	3	0	0.1 lb	AT106_0.2 lb	NSL-WK3	0.0041063 g	0.0091 g	0.0000407 g	A
17647	4	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0004122 g	0.0045 g	0.0000362 g	A
17647	5	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0007647 g	0.0018 g	0.0000282 g	A
17647	6	0	0.02 lb*	AT106_0.05 lb	NSL-WK6	0.0008037 g	0.0018 g	0.0000282 g	A
17647	7	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0008196 g	0.0015 g	0.0000102 g	A
17647	8	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0007803 g	0.0012 g	0.0000090 g	A
17647	9	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	0.0001236 g	0.00087 g	0.0000063 g	A
17647	10	0	0.002 lb*	CCE6_0.01 lb	NSL-WK10	-0.0001716 g	0.00087 g	0.0000063 g	A
17647	11	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0001562 g	0.0007 g	0.0000062 g	A
NE-61	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3947793 g	1.1 g	0.0357297 g	A
NE-62	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.2947793 g	1.1 g	0.0357297 g	A
NE-63	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8447793 g	1.1 g	0.0357297 g	A
NE-64	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7747793 g	1.1 g	0.0357297 g	A
NE-65	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0497793 g	1.1 g	0.0357297 g	A
NE-66	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.2097793 g	1.1 g	0.0357297 g	A
NE-67	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7847793 g	1.1 g	0.0357297 g	A
NE-68	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0947793 g	1.1 g	0.0357297 g	A
NE-68	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4447793 g	1.1 g	0.0357297 g	A
NE-69	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5297793 g	1.1 g	0.0357297 g	A
NE-70	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.1547793 g	1.1 g	0.0357297 g	A
NE-71	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5797793 g	1.1 g	0.0357297 g	A
NE-72	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6497793 g	1.1 g	0.0357297 g	A
NE-73	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0347793 g	1.1 g	0.0357297 g	A
NE-74	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9497793 g	1.1 g	0.0357297 g	A
NE-75	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.2547793 g	1.1 g	0.0357297 g	R
NE-75	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2597793 g	1.1 g	0.0357297 g	A
NE-76	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4847793 g	1.1 g	0.0357297 g	A
NE-77	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1297793 g	1.1 g	0.0357297 g	R
NE-77	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4847793 g	1.1 g	0.0357297 g	A
NE-78	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7497793 g	1.1 g	0.0357297 g	A
NE-79	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5997793 g	1.1 g	0.0357297 g	A
NE-80	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8847793 g	1.1 g	0.0357297 g	A

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
NSL-1A96	1	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0154293 g	0.091 g	0.0006206 g	A
NSL-1A96	2	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0137293 g	0.091 g	0.0006206 g	A
NSL-1A96	3	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0056293 g	0.091 g	0.0006206 g	A
NSL-1A96	4	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0167293 g	0.091 g	0.0006206 g	A
NSL-1A96	5	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0153293 g	0.091 g	0.0006206 g	A
NSL-1A96	6	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0036293 g	0.091 g	0.0006206 g	A
NSL-1A96	7	0	2 lb	CC10000S_5lb	NSL-2-1	0.0129707 g	0.091 g	0.0006206 g	A
NSL-1A96	8	0	2 lb	CC10000S_5lb	NSL-2-1	0.0183707 g	0.091 g	0.0006206 g	A
NSL-1A96	9	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0199293 g	0.091 g	0.0006206 g	A
NSL-1A96	10	0	2 lb	CC10000S_5lb	NSL-2-1	0.0005707 g	0.091 g	0.0006206 g	A
NSL-1A96	11	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0005293 g	0.091 g	0.0006206 g	A
NSL-1A96	12	0	2 lb	CC10000S_5lb	NSL-2-1	-0.0176293 g	0.091 g	0.0006206 g	A
NSL-1A96	13	0	2 lb	CC10000S_5lb	NSL-2-1	0.0218707 g	0.091 g	0.0006206 g	A
NSL-1A96	14	0	2 lb	CC10000S_5lb	NSL-2-1	0.0106707 g	0.091 g	0.0006206 g	A
NSL-1A96	15	0	1 lb	CC10000S_5lb	NSL-1-1	-0.0344445 g	0.07 g	0.0005786 g	A
NSL-1A96	16	0	1 lb	CC10000S_5lb	NSL-1-1	-0.0044445 g	0.07 g	0.0005786 g	A
NSL-1A96	17	0	8 oz	CC10000S_5lb	NSL-8-1	0.0050207 g	0.045 g	0.0005695 g	A
NSL-1A96	18	0	4 oz	CC10000S_5lb	NSL-Z	0.0016721 g	0.023 g	0.0005589 g	A
NSL-1A96	19	0	2 oz	AT106_0.2 lb	NSL-Y	0.0010592 g	0.011 g	0.0000429 g	A
NSL-1A96	20	0	1 oz	AT106_0.2 lb	2A9-1oz	0.0009609 g	0.0054 g	0.0003640 g	A
NSL-1A96	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0013759 g	0.0028 g	0.0003637 g	A
NSL-1A96	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0010125 g	0.0017 g	0.0000268 g	A
NSL-1A96	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	0.0006862 g	0.0013 g	0.0000087 g	A
NSL-1A96	24	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0008838 g	0.0011 g	0.0000087 g	A
NSL-1A96	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	-0.0004329 g	0.0011 g	0.0000087 g	A
WM-D17	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0747793 g	1.1 g	0.0357297 g	A
WM-D17	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1347793 g	1.1 g	0.0357297 g	A
WM-D18	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0097793 g	1.1 g	0.0357297 g	A
WM-D19	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1447793 g	1.1 g	0.0357297 g	R
WM-D19	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2097793 g	1.1 g	0.0357297 g	A
WM-D20	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6447793 g	1.1 g	0.0357297 g	A

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