



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 45

Date: 8/20/2012
Agency ID: 45
NE Cert No: 20120101
P.O. No:

Submitted By: Gary Kliment

Electronic Copy Page 1

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
5 gal	0247	1	VL	A
5 gal	0248	1	VL	A
5 gal	0249	1	VL	A
0.3 lb	11570	1	F	A
0.2 lb	11570	2	F	A
0.1 lb	11570	3	F	A
0.05 lb	11570	4	F	A
0.03 lb	11570	5	F	A
0.02 lb	11570	6	F	A
0.01 lb	11570	7	F	A
0.005 lb	11570	8	F	A
0.003 lb	11570	9	F	A
0.002 lb	11570	10	F	A
0.001 lb	11570	11	F	A
0.001 lb*	11570	12	F	A
2 lb	11-OPI-85	1	F	A
2 lb	11-OPI-85	2	F	A
2 lb	11-OPI-85	3	F	A
2 lb	11-OPI-85	4	F	A
2 lb	11-OPI-85	5	F	A
2 lb	11-OPI-85	6	F	A
2 lb	11-OPI-85	7	F	A
2 lb	11-OPI-85	8	F	A
2 lb	11-OPI-85	9	F	A
2 lb	11-OPI-85	10	F	A

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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
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(402) 471-2351
FAX: (402) 471-6893

Bureau of Dairies & Foods
P.O. Box 95064
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Bureau of Plant Industry
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Weights and Measures
P.O. Box 94757
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(402) 471-4292
FAX: (402) 471-2759

Submitted By: Gary Kliment

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
2 lb	11-OPI-85	11	F	A
2 lb	11-OPI-85	12	F	A
2 lb	11-OPI-85	13	F	A
2 lb	11-OPI-85	14	F	A
1 lb	11-OPI-85	15	F	A
1 lb	11-OPI-85	16	F	A
8 oz	11-OPI-85	17	F	A
4 oz	11-OPI-85	18	F	A
2 oz	11-OPI-85	19	F	A
1 oz	11-OPI-85	20	F	A
0.5 oz	11-OPI-85	21	F	A
0.25 oz	11-OPI-85	22	F	A
0.125 oz	11-OPI-85	23	F	A
0.0625 oz	11-OPI-85	24	F	A
0.0625 oz*	11-OPI-85	25	F	A
5 gal	4393-5-E	1	VL	A
5 gal	4393-5-F	1	VL	A
0.2 lb	N-99-B	1	F	A
0.2 lb*	N-99-B	2	F	A
0.1 lb	N-99-B	3	F	A
0.05 lb	N-99-B	4	F	A
0.02 lb	N-99-B	5	F	A
0.02 lb*	N-99-B	6	F	A
0.01 lb	N-99-B	7	F	A
0.005 lb	N-99-B	8	F	A
0.002 lb	N-99-B	9	F	A
0.002 lb*	N-99-B	10	F	A
0.001 lb	N-99-B	11	F	A
25 lb	NE-21	1	F	A
25 lb	NE-22	1	F	A
25 lb	NE-24	1	F	A
25 lb	NE-25	1	F	A
25 lb	NE-26	1	F	A
25 lb	NE-30	1	F	A
25 lb	NE-31	1	F	A
25 lb	NE-32	1	F	A

Submitted By: Gary Kliment

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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-33	1	F	A
25 lb	NE-34	1	F	A
25 lb	NE-35	1	F	A
25 lb	NE-36	1	F	A
25 lb	NE-37	1	F	A
25 lb	NE-40	1	F	A
4 kg	WM-1	1	F	A
25 lb	WM25-114	1	F	A
25 lb	WM25-116	1	F	A
25 lb	WM25-117	1	F	A
25 lb	WM25-119	1	F	A
25 lb	WM25-121	1	F	A
25 lb	WM25-122	1	F	A
25 lb	WM25-124	1	F	A
25 lb	WM25-127	1	F	A
25 lb	WM25-131	1	F	A
25 lb	WM25-42	1	F	A
25 lb	WM25-43	1	F	A
25 lb	WM25-44	1	F	A
300 g	WM-G89-3	1	4	A
200 g	WM-G89-3	2	4	A
100 g	WM-G89-3	3	4	A
50 g	WM-G89-3	4	4	A
30 g	WM-G89-3	5	4	A
20 g	WM-G89-3	6	4	A
10 g	WM-G89-3	7	4	A
5 g	WM-G89-3	8	4	A
3 g	WM-G89-3	9	4	A
2 g	WM-G89-3	10	4	A
1 g	WM-G89-3	11	4	A
500 mg	WM-G89-3	12	4	A
200 mg	WM-G89-3	13	4	A
200 mg*	WM-G89-3	14	4	A
100 mg	WM-G89-3	15	4	A
50 mg	WM-G89-3	16	4	A
20 mg	WM-G89-3	17	4	A
20 mg*	WM-G89-3	18	4	A
10 mg	WM-G89-3	19	4	A
5 mg	WM-G89-3	20	4	A
2 mg	WM-G89-3	21	4	A
2 mg*	WM-G89-3	22	4	A
1 mg	WM-G89-3	23	4	A

Agency: Food Safety & Consumer Protection
Area 45

Date: 8/20/2012
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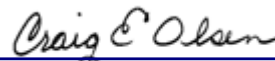
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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance</u>	<u>Accept/Reject</u>
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These field standards have been compared with our reference standards and found to be within the 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: 45
Agency: Food Safety & Consumer Protection
Area 45
, -

NE Cert No: 20120101
Date: 8/20/2012
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Gary Kliment

Electronic Copy

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-3	1	300.00619500	300.00527648	0.00009083	CC1201_300g	300gd
200 g	WM-G89-3	2	200.00138364	200.00077130	0.00014526	CC1201_200g	200gd
100 g	WM-G89-3	3	100.00064038	100.00033421	0.00006150	AT106_100G	100grl
50 g	WM-G89-3	4	50.00010872	49.99995563	0.00003668	AT106_50G	50grl
30 g	WM-G89-3	5	30.00067438	30.00058252	0.00002854	AT106_50G	30grl
20 g	WM-G89-3	6	20.00026499	20.00020376	0.00001989	AT106_20G	20grl
10 g	WM-G89-3	7	10.00022004	10.00018942	0.00001605	AT106_10G	10grl
5 g	WM-G89-3	8	5.00021769	5.00020238	0.00000619	CCE6_5G	5grl
3 g	WM-G89-3	9	3.00025370	3.00024451	0.00000512	CCE6_5G	3grl
2 g	WM-G89-3	10	2.00007425	2.00006813	0.00000512	CCE6_5G	2grl
1 g	WM-G89-3	11	1.00000110	0.99999804	0.00000413	CCE6_1G	1grl
500 mg	WM-G89-3	12	0.50003355	0.50003202	0.00000343	CCE6_1G	500mgrl
200 mg	WM-G89-3	13	0.19998506	0.19998445	0.00000315	CCE6_1G	200mgrl
200 mg*	WM-G89-3	14	0.19997541	0.19997480	0.00000315	CCE6_1G	200mgrl
100 mg	WM-G89-3	15	0.09992440	0.09992409	0.00000213	CCE6_100MG	100mg
50 mg	WM-G89-3	16	0.05001307	0.05001292	0.00000211	CCE6_100MG	50mg
20 mg	WM-G89-3	17	0.02001857	0.02001267	0.00000211	CCE6_100MG	20mg
20 mg*	WM-G89-3	18	0.02000771	0.02000182	0.00000211	CCE6_100MG	20mg
10 mg	WM-G89-3	19	0.00997857	0.00997563	0.00000213	CCE6_10MG	10mg
5 mg	WM-G89-3	20	0.00502021	0.00501873	0.00000212	CCE6_10MG	5mg

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 4 - Double Substitution - Summary Of Test Results

Agency ID: 45
Agency: Food Safety & Consumer Protection
Area 45
, -

NE Cert No: 20120101
Date: 8/20/2012
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

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Electronic Copy

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
2 mg	WM-G89-3	21	0.00201084	0.00201025	0.00000212	CCE6_10MG	2mg
2 mg*	WM-G89-3	22	0.00200374	0.00200315	0.00000212	CCE6_10MG	2mg
1 mg	WM-G89-3	23	0.00099929	0.00099899	0.00000213	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.

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

SOP 19 - Volume Transfer Test Results

Agency ID: 45

Agency: Food Safety & Consumer Protection
Area 45

Form No.: NE03LF12-R00

NE Cert No: 20120101

Date: 8/20/2012

P.O. No:

Submitted By: Gary Kliment

Page 1 of 10

Serial #: 0247
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	69.4 °F	0.998039	0 in3

Test Measure Information

Water Temperature: 69.4 °F
Water Density: 0.998039 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

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

SOP 19 - Volume Transfer Test Results

Agency ID: 45

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Area 45

Form No.: NE03LF12-R00

NE Cert No: 20120101

Date: 8/20/2012

P.O. No:

Submitted By: Gary Kliment

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Serial #: 0247
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	69.2 °F	0.998062	0 in3

Test Measure Information

Water Temperature: 69.2 °F
Water Density: 0.998062 g/cm³
Scale Reading: -0.1 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 4.9995 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: 45

Agency: Food Safety & Consumer Protection
Area 45

, -

Form No.: NE03LF12-R00

NE Cert No: 20120101

Date: 8/20/2012

P.O. No:

Submitted By: Gary Kliment

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Serial #: 0248
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	70 °F	0.997967	0 in3

Test Measure Information

Water Temperature: 70 °F
Water Density: 0.997967 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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(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 45

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Area 45

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Form No.: NE03LF12-R00

NE Cert No: 20120101

Date: 8/20/2012

P.O. No:

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Serial #: 0248
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	68.6 °F	0.998133	0 in3

Test Measure Information

Water Temperature: 68.6 °F
Water Density: 0.998133 g/cm³
Scale Reading: -0.1 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 4.9995 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: 45

Agency: Food Safety & Consumer Protection
Area 45

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Form No.: NE03LF12-R00

NE Cert No: 20120101

Date: 8/20/2012

P.O. No:

Submitted By: Gary Kliment

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Serial #: 0249
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	68.6 °F	0.998133	0 in3

Test Measure Information

Water Temperature: 68.6 °F
Water Density: 0.998133 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: 45

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Area 45

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NE Cert No: 20120101

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P.O. No:

Submitted By: Gary Kliment

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Serial #: 0249
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	68.1 °F	0.998191	0 in3

Test Measure Information

Water Temperature: 68.1 °F
Water Density: 0.998191 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: 45

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Area 45

Form No.: NE03LF12-R00

NE Cert No: 20120101

Date: 8/20/2012

P.O. No:

Submitted By: Gary Kliment

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Serial #: 4393-5-E
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	69.6 °F	0.998015	0 in3

Test Measure Information

Water Temperature: 69.6 °F
Water Density: 0.998015 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: 45

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Area 45

Form No.: NE03LF12-R00

NE Cert No: 20120101

Date: 8/20/2012

P.O. No:

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Serial #: 4393-5-E
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	70.1 °F	0.997954	0 in3

Test Measure Information

Water Temperature: 70.1 °F
Water Density: 0.997954 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: 45

Agency: Food Safety & Consumer Protection
Area 45

Form No.: NE03LF12-R00

NE Cert No: 20120101

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P.O. No:

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Serial #: 4393-5-F
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	70.5 °F	0.997906	0 in3

Test Measure Information

Water Temperature: 70.5 °F
Water Density: 0.997906 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: 45

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Area 45

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Serial #: 4393-5-F
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	69.3 °F	0.998051	0 in3

Test Measure Information

Water Temperature: 69.3 °F
Water Density: 0.998051 g/cm³
Scale Reading: -0.33 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0005 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 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

Agency ID: 45
 Agency: Food Safety & Consumer Protection
 Area 45
 , -

NE Cert No: 20120101
 Date: 8/20/2012
 P.O. No:
 Observer: CEO

Submitted By: Gary Kliment

Electronic Copy

Page 1 of 4

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
11570	1	0	0.3 lb	CC1201_8 oz	NSL-WK1	0.0097897 g	0.027 g	0.0003701 g	A
11570	2	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0074684 g	0.018 g	0.0000658 g	A
11570	3	0	0.1 lb	AT106_0.2 lb	NSL-WK3	-0.0039987 g	0.0091 g	0.0000597 g	A
11570	4	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0015762 g	0.0045 g	0.0000368 g	A
11570	5	0	0.03 lb	AT106_0.05 lb	NSL-WK5	0.0012009 g	0.0027 g	0.0000299 g	A
11570	6	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0004547 g	0.0018 g	0.0000290 g	A
11570	7	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0005592 g	0.0015 g	0.0000104 g	A
11570	8	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0004080 g	0.0012 g	0.0000091 g	A
11570	9	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	0.0002759 g	0.00099 g	0.0000087 g	A
11570	10	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	0.0004736 g	0.00087 g	0.0000066 g	A
11570	11	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	-0.0000146 g	0.0007 g	0.0000064 g	A
11570	12	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	0.0002418 g	0.0007 g	0.0000064 g	A
11-OPI-85	1	0	2 lb	CC1201_2 lb	NSL-2-1	0.0430707 g	0.091 g	0.0018731 g	A
11-OPI-85	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0911293 g	0.091 g	0.0018731 g	R
11-OPI-85	2	1	2 lb	CC1201_2 lb	NSL-2-1	0.0244707 g	0.091 g	0.0018731 g	A
11-OPI-85	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0866293 g	0.091 g	0.0018731 g	A
11-OPI-85	4	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0942293 g	0.091 g	0.0018731 g	R
11-OPI-85	4	1	2 lb	CC1201_2 lb	NSL-2-1	-0.0095293 g	0.091 g	0.0018731 g	A
11-OPI-85	5	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0817293 g	0.091 g	0.0018731 g	A
11-OPI-85	6	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0575293 g	0.091 g	0.0018731 g	A
11-OPI-85	7	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0556293 g	0.091 g	0.0018731 g	A
11-OPI-85	8	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0778293 g	0.091 g	0.0018731 g	A
11-OPI-85	9	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0739293 g	0.091 g	0.0018731 g	A
11-OPI-85	10	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0583293 g	0.091 g	0.0018731 g	A
11-OPI-85	11	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0882293 g	0.091 g	0.0018731 g	A
11-OPI-85	12	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0849293 g	0.091 g	0.0018731 g	A

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Agency ID: 45
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 Area 45

NE Cert No: 20120101
 Date: 8/20/2012
 P.O. No:
 Observer: CEO

Submitted By: Gary Kliment

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
11-OPI-85	13	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0820293 g	0.091 g	0.0018731 g	A
11-OPI-85	14	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0846293 g	0.091 g	0.0018731 g	A
11-OPI-85	15	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0513445 g	0.07 g	0.0004385 g	A
11-OPI-85	16	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0523445 g	0.07 g	0.0004385 g	A
11-OPI-85	17	0	8 oz	CC1201_8 oz	NSL-8-1	-0.0308793 g	0.045 g	0.0003804 g	A
11-OPI-85	18	0	4 oz	CC1201_8 oz	NSL-Z	-0.0206279 g	0.023 g	0.0003643 g	A
11-OPI-85	19	0	2 oz	AT106_0.2 lb	NSL-Y	-0.0105068 g	0.011 g	0.0000612 g	A
11-OPI-85	20	0	1 oz	AT106_0.2 lb	2A9-1oz	0.0003049 g	0.0054 g	0.0003667 g	A
11-OPI-85	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0008979 g	0.0028 g	0.0003638 g	A
11-OPI-85	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0006635 g	0.0017 g	0.0000276 g	A
11-OPI-85	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	0.0002148 g	0.0013 g	0.0000089 g	A
11-OPI-85	24	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0000798 g	0.0011 g	0.0000088 g	A
11-OPI-85	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	0.0004297 g	0.0011 g	0.0000088 g	A
N-99-B	1	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0078234 g	0.018 g	0.0000658 g	A
N-99-B	2	0	0.2 lb*	AT106_0.2 lb	NSL-WK2	0.0078634 g	0.018 g	0.0000658 g	A
N-99-B	3	0	0.1 lb	AT106_0.2 lb	NSL-WK3	0.0033443 g	0.0091 g	0.0000597 g	A
N-99-B	4	0	0.05 lb	AT106_0.05 lb	NSL-WK4	-0.0001138 g	0.0045 g	0.0000368 g	A
N-99-B	5	0	0.02 lb	AT106_0.05 lb	NSL-WK6	-0.0007743 g	0.0018 g	0.0000290 g	A
N-99-B	6	0	0.02 lb*	AT106_0.05 lb	NSL-WK6	-0.0004663 g	0.0018 g	0.0000290 g	A
N-99-B	7	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0001429 g	0.0015 g	0.0000104 g	A
N-99-B	8	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0001770 g	0.0012 g	0.0000091 g	A
N-99-B	9	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	-0.0003474 g	0.00087 g	0.0000066 g	A
N-99-B	10	0	0.002 lb*	CCE6_0.01 lb	NSL-WK10	-0.0004269 g	0.00087 g	0.0000066 g	A
N-99-B	11	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	-0.0003729 g	0.0007 g	0.0000064 g	A
NE-21	1	0	25 lb	KA30-3_25lb	NSL-25-1	-3.3552207 g	1.1 g	0.0365186 g	R
NE-21	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1147793 g	1.1 g	0.0365186 g	A
NE-22	1	0	25 lb	KA30-3_25lb	NSL-25-1	-2.9202207 g	1.1 g	0.0365186 g	R
NE-22	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.7197793 g	1.1 g	0.0365186 g	A
NE-24	1	0	25 lb	KA30-3_25lb	NSL-25-1	-2.7502207 g	1.1 g	0.0365186 g	R
NE-24	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.9097793 g	1.1 g	0.0365186 g	A
NE-25	1	0	25 lb	KA30-3_25lb	NSL-25-1	-2.4552207 g	1.1 g	0.0365186 g	R
NE-25	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1997793 g	1.1 g	0.0365186 g	A
NE-26	1	0	25 lb	KA30-3_25lb	NSL-25-1	-2.8352207 g	1.1 g	0.0365186 g	R

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 Observer: CEO

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NE-26	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0697793 g	1.1 g	0.0365186 g	A
NE-30	1	0	25 lb	KA30-3_25lb	NSL-25-1	-2.5602207 g	1.1 g	0.0365186 g	R
NE-30	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.9947793 g	1.1 g	0.0365186 g	A
NE-31	1	0	25 lb	KA30-3_25lb	NSL-25-1	-3.0102207 g	1.1 g	0.0365186 g	R
NE-31	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6247793 g	1.1 g	0.0365186 g	A
NE-32	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.8352207 g	1.1 g	0.0365186 g	R
NE-32	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6297793 g	1.1 g	0.0365186 g	A
NE-33	1	0	25 lb	KA30-3_25lb	NSL-25-1	-3.8252207 g	1.1 g	0.0365186 g	R
NE-33	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.5647793 g	1.1 g	0.0365186 g	A
NE-34	1	0	25 lb	KA30-3_25lb	NSL-25-1	-2.8302207 g	1.1 g	0.0365186 g	R
NE-34	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.8047793 g	1.1 g	0.0365186 g	A
NE-35	1	0	25 lb	KA30-3_25lb	NSL-25-1	-2.0352207 g	1.1 g	0.0365186 g	R
NE-35	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.3952207 g	1.1 g	0.0365186 g	A
NE-36	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.3502207 g	1.1 g	0.0365186 g	R
NE-36	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.1452207 g	1.1 g	0.0365186 g	A
NE-37	1	0	25 lb	KA30-3_25lb	NSL-25-1	-3.3802207 g	1.1 g	0.0365186 g	R
NE-37	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.2802207 g	1.1 g	0.0365186 g	A
NE-40	1	0	25 lb	KA30-3_25lb	NSL-25-1	-4.0802207 g	1.1 g	0.0365186 g	R
NE-40	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3547793 g	1.1 g	0.0365186 g	A
WM-1	1	0	4 kg	CC10000S_5kg	4kg	-0.0378918 g	0.4 g	0.0405812 g	A
WM25-114	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.8252207 g	1.1 g	0.0365186 g	R
WM25-114	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1747793 g	1.1 g	0.0365186 g	A
WM25-116	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.2547793 g	1.1 g	0.0365186 g	A
WM25-117	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2102207 g	1.1 g	0.0365186 g	A
WM25-119	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0947793 g	1.1 g	0.0365186 g	A
WM25-121	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.0597793 g	1.1 g	0.0365186 g	A
WM25-122	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.6002207 g	1.1 g	0.0365186 g	R
WM25-122	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.7097793 g	1.1 g	0.0365186 g	A
WM25-124	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5002207 g	1.1 g	0.0365186 g	A
WM25-127	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5002207 g	1.1 g	0.0365186 g	A
WM25-131	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6352207 g	1.1 g	0.0365186 g	A
WM25-42	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.0252207 g	1.1 g	0.0365186 g	A
WM25-43	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.5852207 g	1.1 g	0.0365186 g	R

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM25-43	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6997793 g	1.1 g	0.0365186 g	A
WM25-44	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4897793 g	1.1 g	0.0365186 g	A

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