



Dave Heineman
Governor

State of Nebraska

DEPARTMENT OF AGRICULTURE
GREGORY A. IBACH
Director

Nebraska Standards Laboratory
3721 West Cuming Street
Lincoln, NE 68524

CERTIFICATION FOR STANDARDS OF MEASUREMENT

Agency: Dept. of Ag. - Weights & Measures
14628 Fir Cir
Plattsmouth, NE 68048-

Date: 11/5/2010
Agency ID: 80
NE Cert No: 20100150
P.O. No:

Submitted By: Ty Wieser

Electronic Copy Page 1

<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
5 gal	04-20943-01	1	VL
5 gal	04-20943-02	1	VL
5 gal	04-20943-03	1	VL
5 gal	39423-C	1	VL
5 gal	4393-5-B	1	VL
2 lb	9-OPI-11	1	F
2 lb	9-OPI-11	2	F
2 lb	9-OPI-11	3	F
2 lb	9-OPI-11	4	F
2 lb	9-OPI-11	5	F
2 lb	9-OPI-11	6	F
2 lb	9-OPI-11	7	F
2 lb	9-OPI-11	8	F
2 lb	9-OPI-11	9	F
2 lb	9-OPI-11	10	F
2 lb	9-OPI-11	11	F
2 lb	9-OPI-11	12	F
2 lb	9-OPI-11	13	F
2 lb	9-OPI-11	14	F
1 lb	9-OPI-11	15	F
1 lb	9-OPI-11	16	F
8 oz	9-OPI-11	17	F
4 oz	9-OPI-11	18	F
2 oz	9-OPI-11	19	F
1 oz	9-OPI-11	20	F

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

Bureau of Dairies & Foods
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Lincoln, NE 68509-5064
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Bureau of Plant Industry
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Lincoln, NE 68509-4756
(402) 471-2394
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Weights and Measures
P.O. Box 94757
Lincoln, NE 68509-4757
(402) 471-4292
FAX: (402) 471-2759

Submitted By: Ty Wieser

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<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
0.5 oz	9-OPI-11	21	F
0.25 oz	9-OPI-11	22	F
0.125 oz	9-OPI-11	23	F
0.0625 oz	9-OPI-11	24	F
0.0625 oz*	9-OPI-11	25	F
0.3 lb	9-OPI-11	26	F
0.2 lb	9-OPI-11	27	F
0.1 lb	9-OPI-11	28	F
0.05 lb	9-OPI-11	29	F
0.03 lb	9-OPI-11	30	F
0.02 lb	9-OPI-11	31	F
0.01 lb	9-OPI-11	32	F
0.005 lb	9-OPI-11	33	F
0.003 lb	9-OPI-11	34	F
0.002 lb	9-OPI-11	35	F
0.001 lb	9-OPI-11	36	F
0.001 lb*	9-OPI-11	37	F
25 lb	NE-1	1	F
25 lb	NE-10	1	F
25 lb	NE-11	1	F
25 lb	NE-12	1	F
25 lb	NE-13	1	F
25 lb	NE-14	1	F
25 lb	NE-15	1	F
25 lb	NE-16	1	F
25 lb	NE-17	1	F
25 lb	NE-18	1	F
25 lb	NE-19	1	F
25 lb	NE-2	1	F
25 lb	NE-20	1	F
25 lb	NE-3	1	F
25 lb	NE-4	1	F
25 lb	NE-5	1	F
25 lb	NE-6	1	F
25 lb	NE-7	1	F
25 lb	NE-8	1	F

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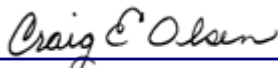
Electronic Copy Page 3

<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
25 lb	NE-9	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. 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 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

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 Plattsmouth, NE 68048-

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
9-OPI-11	1	0	2 lb	CC1201-lb	NSL-2-1	-0.0469181 g	0.091 g	0.0007758 g	A
9-OPI-11	2	0	2 lb	CC1201-lb	NSL-2-1	-0.0460181 g	0.091 g	0.0007758 g	A
9-OPI-11	3	0	2 lb	CC1201-lb	NSL-2-1	-0.0399181 g	0.091 g	0.0007758 g	A
9-OPI-11	4	0	2 lb	CC1201-lb	NSL-2-1	-0.0255181 g	0.091 g	0.0007758 g	A
9-OPI-11	5	0	2 lb	CC1201-lb	NSL-2-1	-0.0319181 g	0.091 g	0.0007758 g	A
9-OPI-11	6	0	2 lb	CC1201-lb	NSL-2-1	-0.0225181 g	0.091 g	0.0007758 g	A
9-OPI-11	7	0	2 lb	CC1201-lb	NSL-2-1	-0.0308181 g	0.091 g	0.0007758 g	A
9-OPI-11	8	0	2 lb	CC1201-lb	NSL-2-1	-0.0479181 g	0.091 g	0.0007758 g	A
9-OPI-11	9	0	2 lb	CC1201-lb	NSL-2-1	-0.0245181 g	0.091 g	0.0007758 g	A
9-OPI-11	10	0	2 lb	CC1201-lb	NSL-2-1	-0.0439181 g	0.091 g	0.0007758 g	A
9-OPI-11	11	0	2 lb	CC1201-lb	NSL-2-1	-0.0261181 g	0.091 g	0.0007758 g	A
9-OPI-11	12	0	2 lb	CC1201-lb	NSL-2-1	-0.0448181 g	0.091 g	0.0007758 g	A
9-OPI-11	13	0	2 lb	CC1201-lb	NSL-2-1	-0.0110181 g	0.091 g	0.0007758 g	A
9-OPI-11	14	0	2 lb	CC1201-lb	NSL-2-1	-0.0482181 g	0.091 g	0.0007758 g	A
9-OPI-11	15	0	1 lb	CC1201-lb	NSL-1-1	-0.0203241 g	0.07 g	0.0007427 g	A
9-OPI-11	16	0	1 lb	CC1201-lb	NSL-1-1	-0.0208241 g	0.07 g	0.0007427 g	A
9-OPI-11	17	0	8 oz	CC1201-lb	NSL-8-1	0.0028735 g	0.045 g	0.0007356 g	A
9-OPI-11	18	0	4 oz	CC1201-lb	NSL-Z	-0.0024040 g	0.023 g	0.0007272 g	A
9-OPI-11	19	0	2 oz	AT106-lb	NSL-Y	-0.0001108 g	0.011 g	0.0000616 g	A
9-OPI-11	20	0	1 oz	AT106-lb	2A9-1oz	0.0021859 g	0.0054 g	0.0003667 g	A
9-OPI-11	21	0	0.5 oz	AT106-lb	2A9-1.2oz	0.0016449 g	0.0028 g	0.0003666 g	A
9-OPI-11	22	0	0.25 oz	AT106-lb	2A9-1.4oz	0.0003875 g	0.0017 g	0.0000532 g	A
9-OPI-11	23	0	0.125 oz	UMT5/6-lb	2A9-1.8oz	0.0007121 g	0.0013 g	0.0000127 g	A
9-OPI-11	24	0	0.0625 oz	UMT5/6-lb	2A9-1.16oz	-0.0001193 g	0.0011 g	0.0000127 g	A
9-OPI-11	25	0	0.0625 oz*	UMT5/6-lb	2A9-1.16oz	0.0006537 g	0.0011 g	0.0000127 g	A
9-OPI-11	26	0	0.3 lb	CC1201-lb	NSL-WK1	-0.0077100 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.

Agency ID: 80
 Agency: Dept. of Ag. - Weights & Measures
 14628 Fir Cir
 Plattsmouth, NE 68048-

NE Cert No: 20100150
 Date: 11/5/2010
 P.O. No:
 Observer: CEO

Submitted By: Ty Wieser

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Page 2 of 2

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
9-OPI-11	27	0	0.2 lb	AT106-lb	NSL-WK2	-0.0029181 g	0.018 g	0.0000645 g	A
9-OPI-11	28	0	0.1 lb	AT106-lb	NSL-WK3	-0.0005353 g	0.0091 g	0.0000583 g	A
9-OPI-11	29	0	0.05 lb	AT106-lb	NSL-WK4	-0.0002379 g	0.0045 g	0.0000569 g	A
9-OPI-11	30	0	0.03 lb	AT106-lb	NSL-WK5	-0.0010347 g	0.0027 g	0.0000525 g	A
9-OPI-11	31	0	0.02 lb	AT106-lb	NSL-WK6	-0.0015326 g	0.0018 g	0.0000538 g	A
9-OPI-11	32	0	0.01 lb	UMT5/6-lb	NSL-WK7	-0.0014428 g	0.0015 g	0.0000136 g	A
9-OPI-11	33	0	0.005 lb	UMT5/6-lb	NSL-WK8	-0.0003483 g	0.0012 g	0.0000127 g	A
9-OPI-11	34	0	0.003 lb	UMT5/6-lb	NSL-WK9	-0.0003556 g	0.00099 g	0.0000124 g	A
9-OPI-11	35	0	0.002 lb	UMT5/6-lb	NSL-WK10	-0.0004852 g	0.00087 g	0.0000120 g	A
9-OPI-11	36	0	0.001 lb	UMT5/6-lb	NSL-WK11	-0.0002689 g	0.0007 g	0.0000119 g	A
9-OPI-11	37	0	0.001 lb*	UMT5/6-lb	NSL-WK11	-0.0000860 g	0.0007 g	0.0000119 g	A
NE-1	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.3181902 g	1.1 g	0.0329709 g	A
NE-10	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.4481902 g	1.1 g	0.0329709 g	A
NE-11	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.6681902 g	1.1 g	0.0329709 g	A
NE-12	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2481902 g	1.1 g	0.0329709 g	A
NE-13	1	0	25 lb	KA30-3_25lb	NSL-25-1	-1.1131902 g	1.1 g	0.0329709 g	R
NE-13	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.0781902 g	1.1 g	0.0329709 g	A
NE-14	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7731902 g	1.1 g	0.0329709 g	A
NE-15	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.1781902 g	1.1 g	0.0329709 g	A
NE-16	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.4068098 g	1.1 g	0.0329709 g	A
NE-17	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.9931902 g	1.1 g	0.0329709 g	A
NE-18	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.3931902 g	1.1 g	0.0329709 g	A
NE-19	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7131902 g	1.1 g	0.0329709 g	A
NE-2	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5331902 g	1.1 g	0.0329709 g	A
NE-20	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2131902 g	1.1 g	0.0329709 g	A
NE-3	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.4431902 g	1.1 g	0.0329709 g	A
NE-4	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.7531902 g	1.1 g	0.0329709 g	A
NE-5	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8331902 g	1.1 g	0.0329709 g	A
NE-6	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.8281902 g	1.1 g	0.0329709 g	A
NE-7	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.9381902 g	1.1 g	0.0329709 g	A
NE-8	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.2531902 g	1.1 g	0.0329709 g	A
NE-9	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5831902 g	1.1 g	0.0329709 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.

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

SOP 19 - Volume Transfer Test Results

Agency ID: 80

Form No.: NE03LF12-R00

Agency: Dept. of Ag. - Weights & Measures
14628 Fir Cir
Plattsmouth, NE 68048-

NE Cert No: 20100150
Date: 11/5/2010
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Submitted By: Ty Wieser

Page 1 of 11

Serial #: 04-20943-01
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	62.1 °F	0.998821	0 in3

Test Measure Information

Water Temperature: 62.1 °F
Water Density: 0.998821 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

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Page 2 of 11

Serial #: 04-20943-01
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	60.9 °F	0.998932	0 in3

Test Measure Information

Water Temperature: 60.9 °F
Water Density: 0.998932 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

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Serial #: 04-20943-02
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	61.1 °F	0.998914	0 in3

Test Measure Information

Water Temperature: 61.1 °F
Water Density: 0.998914 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

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Serial #: 04-20943-02
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	60.6 °F	0.998959	0 in3

Test Measure Information

Water Temperature: 60.6 °F
Water Density: 0.998959 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

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Serial #: 04-20943-03
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	60.7 °F	0.998950	0 in3

Test Measure Information

Water Temperature: 60.7 °F
Water Density: 0.998950 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

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Serial #: 04-20943-03
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	60.7 °F	0.998950	0 in3

Test Measure Information

Water Temperature: 60.7 °F
Water Density: 0.998950 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

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Serial #: 04-20943-03
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	60.4 °F	0.998977	0 in3

Test Measure Information

Water Temperature: 60.4 °F
Water Density: 0.998977 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

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NE Cert No: 20100150
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P.O. No:

Submitted By: Ty Wieser

Page 8 of 11

Serial #: 39423-C
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	60.4 °F	0.998977	0 in3

Test Measure Information

Water Temperature: 60.4 °F
Water Density: 0.998977 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

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

SOP 19 - Volume Transfer Test Results

Agency ID: 80

Form No.: NE03LF12-R00

Agency: Dept. of Ag. - Weights & Measures
14628 Fir Cir
Plattsmouth, NE 68048-

NE Cert No: 20100150
Date: 11/5/2010
P.O. No:

Submitted By: Ty Wieser

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Serial #: 39423-C
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	60.2 °F	0.998995	0 in3

Test Measure Information

Water Temperature: 60.2 °F
Water Density: 0.998995 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

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Date: 11/5/2010

P.O. No:

Submitted By: Ty Wieser

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Serial #: 4393-5-B
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	62.4 °F	0.998793	0 in3

Test Measure Information

Water Temperature: 62.4 °F
Water Density: 0.998793 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

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Lincoln, NE 68524
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14628 Fir Cir
Plattsmouth, NE 68048-

NE Cert No: 20100150
Date: 11/5/2010
P.O. No:

Submitted By: Ty Wieser

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Serial #: 4393-5-B
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	61.3 °F	0.998896	0 in3

Test Measure Information

Water Temperature: 61.3 °F
Water Density: 0.998896 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