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 90
, -

Date: 12/10/2012
Agency ID: 90
NE Cert No: 20120143
P.O. No:

Submitted By: Brian Heskin

Electronic Copy **Page 1**

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
5 gal	05-40547-04	1	VL	A
5 gal	05-40547-05	1	VL	A
5 gal	05-40547-06	1	VL	A
2 lb	10-OPI-9	1	F	A
2 lb	10-OPI-9	2	F	A
2 lb	10-OPI-9	3	F	A
2 lb	10-OPI-9	4	F	A
2 lb	10-OPI-9	5	F	A
2 lb	10-OPI-9	6	F	A
2 lb	10-OPI-9	7	F	A
2 lb	10-OPI-9	8	F	A
2 lb	10-OPI-9	9	F	A
2 lb	10-OPI-9	10	F	A
2 lb	10-OPI-9	11	F	A
2 lb	10-OPI-9	12	F	A
2 lb	10-OPI-9	13	F	A
2 lb	10-OPI-9	14	F	A
1 lb	10-OPI-9	15	F	A
1 lb	10-OPI-9	16	F	A
8 oz	10-OPI-9	17	F	A
4 oz	10-OPI-9	18	F	A
2 oz	10-OPI-9	19	F	A
1 oz	10-OPI-9	20	F	A
0.5 oz	10-OPI-9	21	F	A
0.25 oz	10-OPI-9	22	F	A

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
0.125 oz	10-OPI-9	23	F	A
0.0625 oz	10-OPI-9	24	F	A
0.0625 oz*	10-OPI-9	25	F	A
8 oz	11A9	17	F	A
4 oz	11A9	18	F	A
2 oz	11A9	19	F	A
1 oz	11A9	20	F	A
0.5 oz	11A9	21	F	A
0.25 oz	11A9	22	F	A
0.125 oz	11A9	23	F	A
0.0625 oz	11A9	24	F	A
0.0625 oz*	11A9	25	F	A
0.2 lb	17649	1	F	A
0.2 lb*	17649	2	F	A
0.1 lb	17649	3	F	A
0.05 lb	17649	4	F	A
0.02 lb	17649	5	F	A
0.02 lb*	17649	6	F	A
0.01 lb	17649	7	F	A
0.005 lb	17649	8	F	A
0.002 lb	17649	9	F	A
0.002 lb*	17649	10	F	A
0.001 lb	17649	11	F	A
5 gal	40702A	1	VL	A
5 gal	40702B	1	VL	A
25 lb	WM25-46	1	F	A
25 lb	WM25-47	1	F	A
25 lb	WM25-88	1	F	A
25 lb	WM25-89	1	F	A
25 lb	WM25-90	1	F	A
25 lb	WM25-91	1	F	A
25 lb	WM25-92	1	F	A
25 lb	WM25-93	1	F	A
25 lb	WM25-94	1	F	A
25 lb	WM25-95	1	F	A
0.3 lb	WM-3G95	1	F	A

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
0.2 lb	WM-3G95	2	F	A
0.1 lb	WM-3G95	3	F	A
0.05 lb	WM-3G95	4	F	A
0.03 lb	WM-3G95	5	F	A
0.02 lb	WM-3G95	6	F	A
0.01 lb	WM-3G95	7	F	A
0.005 lb	WM-3G95	8	F	A
0.003 lb	WM-3G95	9	F	A
0.002 lb	WM-3G95	10	F	A
0.001 lb	WM-3G95	11	F	A
0.001 lb*	WM-3G95	12	F	A
10 lb	WM-6D98	1	F	A
5 lb	WM-6D98	2	F	A
2 lb	WM-6D98	3	F	A
2 lb*	WM-6D98	4	F	A
1 lb	WM-6D98	5	F	A
0.5 lb	WM-6D98	6	F	A
4 kg	WM-7	1	4	A
25 lb	WM-D10	1	F	A
25 lb	WM-D11	1	F	A
25 lb	WM-D12	1	F	A
25 lb	WM-D3	1	F	A
25 lb	WM-D4	1	F	A
25 lb	WM-D5	1	F	A
25 lb	WM-D6	1	F	A
25 lb	WM-D7	1	F	A
25 lb	WM-D8	1	F	A
25 lb	WM-D9	1	F	A
300 g	WM-G89-5	1	3	A
200 g	WM-G89-5	2	3	A
100 g	WM-G89-5	3	3	A
50 g	WM-G89-5	4	4	A
30 g	WM-G89-5	5	3	A
20 g	WM-G89-5	6	4	A
10 g	WM-G89-5	7	4	A
5 g	WM-G89-5	8	4	A
3 g	WM-G89-5	9	3	A
2 g	WM-G89-5	10	4	A
1 g	WM-G89-5	11	4	A
500 mg	WM-G89-5	12	3	A
200 mg	WM-G89-5	13	3	A
200 mg*	WM-G89-5	14	3	A

Agency: Food Safety & Consumer Protection
Area 90
, -

Date: 12/10/2012
Agency ID: 90
NE Cert No: 20120143
P.O. No:

Submitted By: Brian Heskin

Electronic Copy **Page 4**

Denomination	Serial Number	Weight Number	Tolerance	Accept/Reject
100 mg	WM-G89-5	15	3	A
50 mg	WM-G89-5	16	4	A
20 mg	WM-G89-5	17	3	A
20 mg*	WM-G89-5	18	3	A
10 mg	WM-G89-5	19	3	A
5 mg	WM-G89-5	20	3	A
2 mg	WM-G89-5	21	3	A
2 mg*	WM-G89-5	22	3	A
1 mg	WM-G89-5	23	3	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

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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Brian Heskin

Electronic Copy

Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-5	1	300.00188743	300.00096892	0.00014135	CC1201 / 1 kg	300gd
200 g	WM-G89-5	2	200.00192976	200.00131741	0.00014051	CC1201 / 1 kg	200gd
100 g	WM-G89-5	3	100.00074820	100.00044203	0.00006150	AT106_100G	100grl
50 g	WM-G89-5	4	50.00081484	50.00066175	0.00003668	AT106_50G	50grl
30 g	WM-G89-5	5	30.00017136	30.00007950	0.00002854	AT106_50G	30grl
20 g	WM-G89-5	6	20.00063539	20.00057415	0.00001989	AT106_20G	20grl
10 g	WM-G89-5	7	10.00023065	10.00020004	0.00001605	AT106_10G	10grl
5 g	WM-G89-5	8	5.00028727	5.00027196	0.00000619	CCE6_5G	5grl
3 g	WM-G89-5	9	3.00003999	3.00003081	0.00000512	CCE6_5G	3grl
2 g	WM-G89-5	10	2.00025129	2.00024516	0.00000512	CCE6_5G	2grl
1 g	WM-G89-5	11	0.99986287	0.99985981	0.00000413	CCE6_1G	1grl
500 mg	WM-G89-5	12	0.50000226	0.50000073	0.00000343	CCE6_1G	500mgrl
200 mg	WM-G89-5	13	0.20000001	0.19999940	0.00000315	CCE6_1G	200mgrl
200 mg*	WM-G89-5	14	0.19997986	0.19997925	0.00000315	CCE6_1G	200mgrl
100 mg	WM-G89-5	15	0.09997214	0.09997183	0.00000218	CCE6_100MG	100mgrl
50 mg	WM-G89-5	16	0.04994076	0.04994061	0.00000217	CCE6_100MG	50mgrl
20 mg	WM-G89-5	17	0.02003018	0.02002428	0.00000214	CCE6_100MG	20mgrl
20 mg*	WM-G89-5	18	0.02003793	0.02003203	0.00000214	CCE6_100MG	20mgrl
10 mg	WM-G89-5	19	0.01001550	0.01001255	0.00000215	CCE6_10MG	10mgrl
5 mg	WM-G89-5	20	0.00502441	0.00502293	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. 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:
Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Brian Heskin

Electronic Copy

Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
2 mg	WM-G89-5	21	0.00201490	0.00201431	0.00000213	CCE6_10MG	2mgrl
2 mg*	WM-G89-5	22	0.00201940	0.00201881	0.00000213	CCE6_10MG	2mgrl
1 mg	WM-G89-5	23	0.00101967	0.00101937	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. Uncertainity 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

Form No.: NE03LF12-R00

Agency ID: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 05-40547-04
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	55.2 °F	0.999390	0 in3

Test Measure Information

Water Temperature: 55.2 °F
Water Density: 0.999390 g/cm³
Scale Reading: -0.4 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 5.0008 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 05-40547-04
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	55.2 °F	0.999390	0 in3

Test Measure Information

Water Temperature: 55.2 °F
Water Density: 0.999390 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

Form No.: NE03LF12-R00

Agency ID: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 05-40547-04
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	53.7 °F	0.999490	0 in3

Test Measure Information

Water Temperature: 53.7 °F
Water Density: 0.999490 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

Form No.: NE03LF12-R00

Agency ID: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 05-40547-05
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	53.6 °F	0.999497	0 in3

Test Measure Information

Water Temperature: 53.6 °F
Water Density: 0.999497 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 05-40547-05
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	53.2 °F	0.999522	0 in3

Test Measure Information

Water Temperature: 53.2 °F
Water Density: 0.999522 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 05-40547-06
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	55.9 °F	0.999340	0 in3

Test Measure Information

Water Temperature: 55.9 °F
Water Density: 0.999340 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 05-40547-06
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	56.2 °F	0.999318	0 in3

Test Measure Information

Water Temperature: 56.2 °F
Water Density: 0.999318 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 40702A
Retest #: 0
Denomination: 5 gal
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.
Tolerance Class: VL
Material: MS
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	MS	0.0000265 /°F	53.8 °F	0.999484	0 in3

Test Measure Information

Water Temperature: 53.8 °F
Water Density: 0.999484 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

Form No.: NE03LF12-R00

Agency ID: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 40702A
Retest #: 1
Denomination: 5 gal
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.
Tolerance Class: VL
Material: MS
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	MS	0.0000265 /°F	53.3 °F	0.999515	0 in3

Test Measure Information

Water Temperature: 53.3 °F
Water Density: 0.999515 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

Form No.: NE03LF12-R00

Agency ID: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 40702B
Retest #: 0
Denomination: 5 gal
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.
Tolerance Class: VL
Material:
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		0.0000265 /°F	53.5 °F	0.999503	0 in3

Test Measure Information

Water Temperature: 53.5 °F
Water Density: 0.999503 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:

Submitted By: Brian Heskin

Serial #: 40702B
Retest #: 1
Denomination: 5 gal
Observer: CEO

Eq Vol/cu.in.: 1155 cu.in.
Tolerance Class: VL
Material:
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		0.0000265 /°F	53.7 °F	0.999490	0 in3

Test Measure Information

Water Temperature: 53.7 °F
Water Density: 0.999490 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 8 - Modified Substitution Test Results

Form No.: NE04LF9-R00

Agency ID: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:
Observer: CEO

Submitted By: Brian Heskin

Electronic Copy

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
10-OPI-9	1	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0307293 g	0.091 g	0.0018872 g	A
10-OPI-9	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0229293 g	0.091 g	0.0018872 g	A
10-OPI-9	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0151293 g	0.091 g	0.0018872 g	A
10-OPI-9	4	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0161293 g	0.091 g	0.0018872 g	A
10-OPI-9	5	0	2 lb	CC1201_2 lb	NSL-2-1	0.0019707 g	0.091 g	0.0018872 g	A
10-OPI-9	6	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0052293 g	0.091 g	0.0018872 g	A
10-OPI-9	7	0	2 lb	CC1201_2 lb	NSL-2-1	0.0148707 g	0.091 g	0.0018872 g	A
10-OPI-9	8	0	2 lb	CC1201_2 lb	NSL-2-1	0.0125707 g	0.091 g	0.0018872 g	A
10-OPI-9	9	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0598293 g	0.091 g	0.0018872 g	A
10-OPI-9	10	0	2 lb	CC1201_2 lb	NSL-2-1	0.0181707 g	0.091 g	0.0018872 g	A
10-OPI-9	11	0	2 lb	CC1201_2 lb	NSL-2-1	0.0300707 g	0.091 g	0.0018872 g	A
10-OPI-9	12	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0261293 g	0.091 g	0.0018872 g	A
10-OPI-9	13	0	2 lb	CC1201_2 lb	NSL-2-1	0.0246707 g	0.091 g	0.0018872 g	A
10-OPI-9	14	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0030293 g	0.091 g	0.0018872 g	A
10-OPI-9	15	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0123445 g	0.07 g	0.0004110 g	A
10-OPI-9	16	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0177445 g	0.07 g	0.0004110 g	A
10-OPI-9	17	0	8 oz	CC1201_8 oz	NSL-8-1	-0.0206793 g	0.045 g	0.0004161 g	A
10-OPI-9	18	0	4 oz	CC1201_8 oz	NSL-Z	0.0079721 g	0.023 g	0.0004014 g	A
10-OPI-9	19	0	2 oz	AT106_0.2 lb	NSL-Y	0.0047232 g	0.011 g	0.0000429 g	A
10-OPI-9	20	0	1 oz	AT106_0.2 lb	2A9-1oz	-0.0040791 g	0.0054 g	0.0003640 g	A
10-OPI-9	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0012559 g	0.0028 g	0.0003637 g	A
10-OPI-9	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0006075 g	0.0017 g	0.0000268 g	A
10-OPI-9	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	-0.0002385 g	0.0013 g	0.0000087 g	A
10-OPI-9	24	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0007913 g	0.0011 g	0.0000087 g	A
10-OPI-9	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	-0.0004168 g	0.0011 g	0.0000087 g	A
11A9	17	0	8 oz	CC1201_8 oz	NSL-8-1	0.0100207 g	0.045 g	0.0004161 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:
Observer: CEO

Submitted By: Brian Heskin

Electronic Copy

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
11A9	18	0	4 oz	CC1201_8 oz	NSL-Z	0.0012721 g	0.023 g	0.0004014 g	A
11A9	19	0	2 oz	AT106_0.2 lb	NSL-Y	-0.0047098 g	0.011 g	0.0000429 g	A
11A9	20	0	1 oz	AT106_0.2 lb	2A9-1oz	0.0021289 g	0.0054 g	0.0003640 g	A
11A9	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0009579 g	0.0028 g	0.0003637 g	A
11A9	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	-0.0002815 g	0.0017 g	0.0000268 g	A
11A9	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	-0.0005419 g	0.0013 g	0.0000087 g	A
11A9	24	0	0.0625 oz	CCE6_0.01 lb	2A9-1.16oz	0.0000084 g	0.0011 g	0.0000087 g	A
11A9	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	-0.0005156 g	0.0011 g	0.0000087 g	A
17649	1	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0084864 g	0.018 g	0.0000492 g	A
17649	2	0	0.2 lb*	AT106_0.2 lb	NSL-WK2	0.0088424 g	0.018 g	0.0000492 g	A
17649	3	0	0.1 lb	AT106_0.2 lb	NSL-WK3	0.0039873 g	0.0091 g	0.0000407 g	A
17649	4	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0017112 g	0.0045 g	0.0000362 g	A
17649	5	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0006487 g	0.0018 g	0.0000282 g	A
17649	6	0	0.02 lb*	AT106_0.05 lb	NSL-WK6	0.0003437 g	0.0018 g	0.0000282 g	A
17649	7	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0004023 g	0.0015 g	0.0000102 g	A
17649	8	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0003518 g	0.0012 g	0.0000090 g	A
17649	9	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	0.0000880 g	0.00087 g	0.0000063 g	A
17649	10	0	0.002 lb*	CCE6_0.01 lb	NSL-WK10	-0.0000531 g	0.00087 g	0.0000063 g	A
17649	11	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0001567 g	0.0007 g	0.0000062 g	A
WM25-46	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0797793 g	1.1 g	0.0357297 g	A
WM25-47	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0747793 g	1.1 g	0.0357297 g	A
WM25-88	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.4697793 g	1.1 g	0.0357297 g	R
WM25-88	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6747793 g	1.1 g	0.0357297 g	A
WM25-89	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3297793 g	1.1 g	0.0357297 g	R
WM25-89	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2697793 g	1.1 g	0.0357297 g	A
WM25-90	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.7597793 g	1.1 g	0.0357297 g	R
WM25-90	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1147793 g	1.1 g	0.0357297 g	A
WM25-91	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.7147793 g	1.1 g	0.0357297 g	R
WM25-91	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.2302207 g	1.1 g	0.0357297 g	A
WM25-92	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.1347793 g	1.1 g	0.0357297 g	A
WM25-93	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0997793 g	1.1 g	0.0357297 g	A
WM25-94	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1947793 g	1.1 g	0.0357297 g	R
WM25-94	1	1	25 lb	KA30-3_25lb	NSL-25-1	-0.1802207 g	1.1 g	0.0357297 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: 90
Agency: Food Safety & Consumer Protection
Area 90
, -

NE Cert No: 20120143
Date: 12/10/2012
P.O. No:
Observer: CEO

Submitted By: Brian Heskin

Electronic Copy

Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM25-95	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.3247793 g	1.1 g	0.0357297 g	A
WM-3G95	1	0	0.3 lb	CC1201_8 oz	NSL-WK1	0.0013897 g	0.027 g	0.0004067 g	A
WM-3G95	2	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0042344 g	0.018 g	0.0000492 g	A
WM-3G95	3	0	0.1 lb	AT106_0.2 lb	NSL-WK3	0.0031313 g	0.0091 g	0.0000407 g	A
WM-3G95	4	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0013412 g	0.0045 g	0.0000362 g	A
WM-3G95	5	0	0.03 lb	AT106_0.05 lb	NSL-WK5	0.0006199 g	0.0027 g	0.0000291 g	A
WM-3G95	6	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0005547 g	0.0018 g	0.0000282 g	A
WM-3G95	7	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0003555 g	0.0015 g	0.0000102 g	A
WM-3G95	8	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0008230 g	0.0012 g	0.0000090 g	A
WM-3G95	9	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	0.0006072 g	0.00099 g	0.0000085 g	A
WM-3G95	10	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	0.0006640 g	0.00087 g	0.0000063 g	A
WM-3G95	11	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0001923 g	0.0007 g	0.0000062 g	A
WM-3G95	12	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	0.0001900 g	0.0007 g	0.0000062 g	A
WM-6D98	1	0	10 lb	CC10000S_10lb	NEBR-STD-10	0.2075710 g	0.45 g	0.0020463 g	A
WM-6D98	2	0	5 lb	CC10000S_5lb	NSL-5-1	0.0927466 g	0.23 g	0.0014576 g	A
WM-6D98	3	0	2 lb	CC1201_2 lb	NSL-2-1	0.0453707 g	0.091 g	0.0018872 g	A
WM-6D98	4	0	2 lb*	CC1201_2 lb	NSL-2-1	0.0366707 g	0.091 g	0.0018872 g	A
WM-6D98	5	0	1 lb	CC1201_1 lb	NSL-1-1	0.0230555 g	0.07 g	0.0004110 g	A
WM-6D98	6	0	0.5 lb	CC1201_8 oz	NSL-8-1	0.0188207 g	0.045 g	0.0004161 g	A
WM-7	1	0	4 kg	CC10000S_5kg	4kg	-0.0029918 g	0.08 g	0.0406081 g	A
WM-D10	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1797793 g	1.1 g	0.0357297 g	R
WM-D10	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.3747793 g	1.1 g	0.0357297 g	A
WM-D11	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.7547793 g	1.1 g	0.0357297 g	R
WM-D11	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6747793 g	1.1 g	0.0357297 g	A
WM-D12	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9847793 g	1.1 g	0.0357297 g	A
WM-D3	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0847793 g	1.1 g	0.0357297 g	A
WM-D4	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.3297793 g	1.1 g	0.0357297 g	R
WM-D4	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.6297793 g	1.1 g	0.0357297 g	A
WM-D5	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9897793 g	1.1 g	0.0357297 g	A
WM-D6	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9897793 g	1.1 g	0.0357297 g	A
WM-D7	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9797793 g	1.1 g	0.0357297 g	A
WM-D8	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8597793 g	1.1 g	0.0357297 g	A
WM-D9	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6897793 g	1.1 g	0.0357297 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.