

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

SOP 4 - Double Substitution Test Results - Individual Weight

Agency ID: 75

Agency: Food Safety & Consumer Protection
 Ansley, NE -

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

Electronic Copy

Form No.: NE04LF6-R00

Serial #:	WM-G89-8	Temperature:	21.9 °C
Weight #:	1	Pressure:	762.9 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	300 g	Comparator Used:	CC1201_300g
Density:	7.84 g/cm ³	Pooled Std.Dev.:	0.0000396 g
Eq Wt/grams:	300 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0005 g	S: 300gd	300.000915 g	0.000058 g	7.85 g/cm ³
X+Tx:	0.0036 g	SW: 100mgrl	0.0999982 g	0.00000092 g	7.95 g/cm ³
X+Tx+SW:	0.1037 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.1009 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	300.00392025 g	Mx Correction:	0.00392025 g
Conventional Mass:	300.00300173 g	CMx Correction:	0.00300173 g
		Tolerance Class:	4
Uncertainty:	0.00009860 g	Tolerance:	0.006 g
Air Density:	0.00119458 g/cm ³	Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 2
 Retest #: 0
 Denomination: 200 g
 Density: 7.84 g/cm³
 Eq Wt/grams: 200 g

Temperature: 21.9 °C
 Pressure: 762.9 mm/Hg
 Rel Humidity: 57 %
 Comparator Used: CC1201_200g
 Pooled Std.Dev.: 0.0000629 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0002 g	S: 200gd	200.000987 g	0.00004 g	7.85 g/cm ³
X+Tx:	0.0035 g	SW: 100mgrl	0.0999982 g	0.00000092 g	7.95 g/cm ³
X+Tx+SW:	0.1036 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.1006 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	200.00417263 g	Mx Correction:	0.00417263 g
Conventional Mass:	200.00356028 g	CMx Correction:	0.00356028 g
		Tolerance Class:	4
Uncertainty:	0.00013243 g	Tolerance:	0.004 g
Air Density:	0.00119458 g/cm ³	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.6 °C
Weight #:	3	Pressure:	762.5 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	100 g	Comparator Used:	AT106_100g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000117 g
Eq Wt/grams:	100 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.000006 g	S: 100grl	100.000145 g	0.000027 g	7.95 g/cm3
X+Tx:	0.000461 g	SW: 20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm3
X+Tx+SW:	0.020451 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.020003 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	100.00080753 g	Mx Correction:	0.00080753 g
Conventional Mass:	100.00050136 g	CMx Correction:	0.00050136 g
		Tolerance Class:	4
Uncertainty:	0.00003579 g	Tolerance:	0.002 g
Air Density:	0.00119529 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.6 °C
Weight #:	4	Pressure:	762.5 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	50 g	Comparator Used:	AT106_50g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000114 g
Eq Wt/grams:	50 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0 g	S: 50grl	50.000063 g	0.000014 g	7.95 g/cm3
X+Tx:	0.000559 g	SW: 20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm3
X+Tx+SW:	0.020548 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.019995 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	50.00072457 g	Mx Correction:	0.00072457 g
Conventional Mass:	50.00057149 g	CMx Correction:	0.00057149 g
		Tolerance Class:	4
Uncertainty:	0.00002679 g	Tolerance:	0.0012 g
Air Density:	0.00119529 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.6 °C
Weight #:	5	Pressure:	762.5 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	30 g	Comparator Used:	AT106_50g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000114 g
Eq Wt/grams:	30 g		

Observations

State Standards Used

	Observed		ID	True Mass	Uncertainty	Density
S+Ts:	0.000003 g	S:	30grl	30.0000472 g	0.0000086 g	7.95 g/cm3
X+Tx:	0.000384 g	SW:	20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm3
X+Tx+SW:	0.020381 g	Ts:		g	g	g/cm3
S+Ts+SW:	0.020006 g	Tx:		g	g	g/cm3

Final Test Results

True Mass:	30.00048840 g	Mx Correction:	0.00048840 g
Conventional Mass:	30.00039655 g	CMx Correction:	0.00039655 g
		Tolerance Class:	4
Uncertainty:	0.00002441 g	Tolerance:	0.0009 g
Air Density:	0.00119529 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.6 °C
Weight #:	6	Pressure:	762.5 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	20 g	Comparator Used:	AT106_20g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000052 g
Eq Wt/grams:	20 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.000003 g	S: 20grl	20.000044 g	0.0000061 g	7.95 g/cm3
X+Tx:	0.000465 g	SW: 20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm3
X+Tx+SW:	0.020454 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.020001 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	20.00054376 g	Mx Correction:	0.00054376 g
Conventional Mass:	20.00048253 g	CMx Correction:	0.00048253 g
		Tolerance Class:	4
Uncertainty:	0.00001231 g	Tolerance:	0.0007 g
Air Density:	0.00119529 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.9 °C
Weight #:	7	Pressure:	761.9 mm/Hg
Retest #:	0	Rel Humidity:	57 %
Denomination:	10 g	Comparator Used:	AT106_10g
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000060 g
Eq Wt/grams:	10 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.000024 g	S: 10grl	10.0000237 g	0.0000045 g	7.95 g/cm3
X+Tx:	0.000191 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.005196 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.005035 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	10.00020877 g	Mx Correction:	0.00020877 g
Conventional Mass:	10.00017815 g	CMx Correction:	0.00017815 g
		Tolerance Class:	4
Uncertainty:	0.00001300 g	Tolerance:	0.0005 g
Air Density:	0.00119301 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.4 °C
Weight #:	8	Pressure:	762 mm/Hg
Retest #:	0	Rel Humidity:	56 %
Denomination:	5 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000015 g
Eq Wt/grams:	5 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000005 g	S: 5grl	5.0000207 g	0.0000024 g	7.95 g/cm3
X+Tx:	0.0003252 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0053303 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050077 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	5.00035492 g	Mx Correction:	0.00035492 g
Conventional Mass:	5.00033961 g	CMx Correction:	0.00033961 g
		Tolerance Class:	4
Uncertainty:	0.00000436 g	Tolerance:	0.00036 g
Air Density:	0.00119551 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.4 °C
Weight #:	9	Pressure:	762 mm/Hg
Retest #:	0	Rel Humidity:	56 %
Denomination:	3 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000015 g
Eq Wt/grams:	3 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000013 g	S: 3grl	3.000017 g	0.0000016 g	7.95 g/cm3
X+Tx:	0.0002562 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.005261 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050035 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	3.00028086 g	Mx Correction:	0.00028086 g
Conventional Mass:	3.00027167 g	CMx Correction:	0.00027167 g
		Tolerance Class:	4
Uncertainty:	0.00000398 g	Tolerance:	0.0003 g
Air Density:	0.00119551 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.4 °C
Weight #:	10	Pressure:	762 mm/Hg
Retest #:	0	Rel Humidity:	56 %
Denomination:	2 g	Comparator Used:	CCE6_5G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000015 g
Eq Wt/grams:	2 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000003 g	S: 2grl	2.000013 g	0.0000013 g	7.95 g/cm3
X+Tx:	0.0000342 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0050393 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050046 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	2.00005182 g	Mx Correction:	0.00005182 g
Conventional Mass:	2.00004570 g	CMx Correction:	0.00004570 g
		Tolerance Class:	4
Uncertainty:	0.00000387 g	Tolerance:	0.00026 g
Air Density:	0.00119551 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.4 °C
Weight #:	11	Pressure:	762 mm/Hg
Retest #:	0	Rel Humidity:	56 %
Denomination:	1 g	Comparator Used:	CCE6_1G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000011 g
Eq Wt/grams:	1 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000008 g	S: 1grl	1.000011 g	0.0000012 g	7.95 g/cm3
X+Tx:	0.000027 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0050316 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050041 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	1.00004076 g	Mx Correction:	0.00004076 g
Conventional Mass:	1.00003770 g	CMx Correction:	0.00003770 g
		Tolerance Class:	4
Uncertainty:	0.00000316 g	Tolerance:	0.0002 g
Air Density:	0.00119551 g/cm3	Accept/Reject:	A

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Serial #:	WM-G89-8	Temperature:	21.5 °C
Weight #:	12	Pressure:	762.2 mm/Hg
Retest #:	0	Rel Humidity:	56 %
Denomination:	500 mg	Comparator Used:	CCE6_1G
Density:	7.84 g/cm3	Pooled Std.Dev.:	0.0000011 g
Eq Wt/grams:	0.5 g		

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000011 g	S: 500mgrl	0.50000305 g	0.00000097 g	7.95 g/cm3
X+Tx:	-0.0000007 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.005004 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050024 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.50000511 g	Mx Correction:	0.00000511 g
Conventional Mass:	0.50000357 g	CMx Correction:	0.00000357 g
		Tolerance Class:	4
Uncertainty:	0.00000308 g	Tolerance:	0.00016 g
Air Density:	0.00119538 g/cm3	Accept/Reject:	A

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Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 13
 Retest #: 0
 Denomination: 200 mg
 Density: 7.84 g/cm³
 Eq Wt/grams: 0.2 g

Temperature: 21.5 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_1G
 Pooled Std.Dev.: 0.0000011 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000005 g	S: 200mgrl	0.19999951 g	0.00000079 g	7.95 g/cm ³
X+Tx:	-0.0000118 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm ³
X+Tx+SW:	0.0049933 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0050046 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.19998863 g	Mx Correction:	-0.00001137 g
Conventional Mass:	0.19998802 g	CMx Correction:	-0.00001198 g
		Tolerance Class:	4
Uncertainty:	0.00000303 g	Tolerance:	0.00012 g
Air Density:	0.00119538 g/cm ³	Accept/Reject:	A

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Serial #: WM-G89-8
 Weight #: 14
 Retest #: 0
 Denomination: 200 mg*
 Density: 7.84 g/cm3
 Eq Wt/grams: 0.2 g

Temperature: 21.5 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_1G
 Pooled Std.Dev.: 0.0000011 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000007 g	S: 200mgrl	0.19999951 g	0.00000079 g	7.95 g/cm3
X+Tx:	-0.0000289 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0049763 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050049 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.19997153 g	Mx Correction:	-0.00002847 g
Conventional Mass:	0.19997092 g	CMx Correction:	-0.00002908 g
		Tolerance Class:	4
Uncertainty:	0.00000303 g	Tolerance:	0.00012 g
Air Density:	0.00119538 g/cm3	Accept/Reject:	A

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Serial #: WM-G89-8
 Weight #: 15
 Retest #: 0
 Denomination: 100 mg
 Density: 7.84 g/cm3
 Eq Wt/grams: 0.1 g

Temperature: 21.5 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000012 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000002 g	S: 100mgrl	0.0999982 g	0.00000092 g	7.95 g/cm3
X+Tx:	-0.0000374 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0049677 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050042 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.09996156 g	Mx Correction:	-0.00003844 g
Conventional Mass:	0.09996125 g	CMx Correction:	-0.00003875 g
		Tolerance Class:	4
Uncertainty:	0.00000321 g	Tolerance:	0.0001 g
Air Density:	0.00119538 g/cm3	Accept/Reject:	A

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Serial #: WM-G89-8
 Weight #: 16
 Retest #: 0
 Denomination: 50 mg
 Density: 7.84 g/cm³
 Eq Wt/grams: 0.05 g

Temperature: 21.5 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000012 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000002 g	S: 50mgrl	0.05000374 g	0.00000048 g	7.95 g/cm ³
X+Tx:	-0.0000017 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm ³
X+Tx+SW:	0.0050034 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.005005 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.05000230 g	Mx Correction:	0.00000230 g
Conventional Mass:	0.05000214 g	CMx Correction:	0.00000214 g
Uncertainty:	0.00000312 g	Tolerance Class:	4
Air Density:	0.00119538 g/cm ³	Tolerance:	0.000085 g
		Accept/Reject:	A

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Agency: Food Safety & Consumer Protection
 Ansley, NE -

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

Electronic Copy

Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 17
 Retest #: 0
 Denomination: 20 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.02 g

Temperature: 21.5 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000012 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000001 g	S: 20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm ³
X+Tx:	0.0000263 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm ³
X+Tx+SW:	0.0050318 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0050062 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.02002361 g	Mx Correction:	0.00002361 g
Conventional Mass:	0.02001772 g	CMx Correction:	0.00001772 g
		Tolerance Class:	4
Uncertainty:	0.00000309 g	Tolerance:	0.00007 g
Air Density:	0.00119538 g/cm ³	Accept/Reject:	A

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

SOP 4 - Double Substitution Test Results - Individual Weight

Agency ID: 75

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 Ansley, NE -

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

Electronic Copy

Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 18
 Retest #: 0
 Denomination: 20 mg*
 Density: 2.7 g/cm3
 Eq Wt/grams: 0.02 g

Temperature: 21.5 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_100MG
 Pooled Std.Dev.: 0.0000012 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000009 g	S: 20mgrl	0.01999186 g	0.00000023 g	7.95 g/cm3
X+Tx:	0.0000182 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0050231 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0050056 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.02001511 g	Mx Correction:	0.00001511 g
Conventional Mass:	0.02000922 g	CMx Correction:	0.00000922 g
		Tolerance Class:	4
Uncertainty:	0.00000309 g	Tolerance:	0.00007 g
Air Density:	0.00119538 g/cm3	Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

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Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 19
 Retest #: 0
 Denomination: 10 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.01 g

Temperature: 21.5 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000002 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000007 g	S: 10mgrl	0.01000613 g	0.00000021 g	7.95 g/cm ³
X+Tx:	-0.0000213 g	SW: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm ³
X+Tx+SW:	0.0049836 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0050034 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.00998885 g	Mx Correction:	-0.00001115 g
Conventional Mass:	0.00998591 g	CMx Correction:	-0.00001409 g
		Tolerance Class:	4
Uncertainty:	0.00000206 g	Tolerance:	0.00006 g
Air Density:	0.00119538 g/cm ³	Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

Agency ID: 75

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NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

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Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 20
 Retest #: 0
 Denomination: 5 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.005 g

Temperature: 21.3 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000002 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000001 g	S: 5mgrl	0.00500536 g	0.00000021 g	7.95 g/cm ³
X+Tx:	-0.0000061 g	SW: 2mgrl	0.00200341 g	0.00000021 g	7.95 g/cm ³
X+Tx+SW:	0.0019972 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0020034 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.00500072 g	Mx Correction:	0.00000072 g
Conventional Mass:	0.00499925 g	CMx Correction:	-0.00000075 g
		Tolerance Class:	4
Uncertainty:	0.00000206 g	Tolerance:	0.000055 g
Air Density:	0.00119627 g/cm ³	Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

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Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 21
 Retest #: 0
 Denomination: 2 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.002 g

Temperature: 21.3 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000002 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0 g	S: 2mgrl	0.00200341 g	0.00000021 g	7.95 g/cm ³
X+Tx:	-0.000003 g	SW: 3mgrl	0.003003 g	0.00000021 g	7.95 g/cm ³
X+Tx+SW:	0.0030009 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0030043 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.00200080 g	Mx Correction:	0.00000080 g
Conventional Mass:	0.00200021 g	CMx Correction:	0.00000021 g
Uncertainty:	0.00000206 g	Tolerance Class:	4
Air Density:	0.00119627 g/cm ³	Tolerance:	0.00005 g
		Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

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Agency: Food Safety & Consumer Protection
 Ansley, NE -

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

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Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 22
 Retest #: 0
 Denomination: 2 mg*
 Density: 2.7 g/cm3
 Eq Wt/grams: 0.002 g

Temperature: 21.3 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000002 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	0.0000005 g	S: 2mgrl	0.00200341 g	0.00000021 g	7.95 g/cm3
X+Tx:	-0.0000034 g	SW: 3mgrl	0.003003 g	0.00000021 g	7.95 g/cm3
X+Tx+SW:	0.0030002 g	Ts:	g	g	g/cm3
S+Ts+SW:	0.0030038 g	Tx:	g	g	g/cm3

Final Test Results

True Mass:	0.00200025 g	Mx Correction:	0.00000025 g
Conventional Mass:	0.00199966 g	CMx Correction:	-0.00000034 g
		Tolerance Class:	4
Uncertainty:	0.00000206 g	Tolerance:	0.00005 g
Air Density:	0.00119627 g/cm3	Accept/Reject:	A

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SOP 4 - Double Substitution Test Results - Individual Weight

Agency ID: 75

Agency: Food Safety & Consumer Protection
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NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Submitted By: Darrin Larrington

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Form No.: NE04LF6-R00

Serial #: WM-G89-8
 Weight #: 23
 Retest #: 0
 Denomination: 1 mg
 Density: 2.7 g/cm³
 Eq Wt/grams: 0.001 g

Temperature: 21.3 °C
 Pressure: 762.2 mm/Hg
 Rel Humidity: 56 %
 Comparator Used: CCE6_10MG
 Pooled Std.Dev.: 0.0000002 g

Observations

State Standards Used

	Observed	ID	True Mass	Uncertainty	Density
S+Ts:	-0.0000003 g	S: 1mgrl	0.00100509 g	0.00000025 g	7.95 g/cm ³
X+Tx:	0.0000045 g	SW: 3mgrl	0.003003 g	0.00000021 g	7.95 g/cm ³
X+Tx+SW:	0.0030082 g	Ts:	g	g	g/cm ³
S+Ts+SW:	0.0030033 g	Tx:	g	g	g/cm ³

Final Test Results

True Mass:	0.00101023 g	Mx Correction:	0.00001023 g
Conventional Mass:	0.00100994 g	CMx Correction:	0.00000994 g
		Tolerance Class:	4
Uncertainty:	0.00000207 g	Tolerance:	0.00005 g
Air Density:	0.00119627 g/cm ³	Accept/Reject:	A

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SOP 4 - Double Substitution - Summary Of Test Results

Agency ID: 75

Agency: Food Safety & Consumer Protection
Ansley, NE -

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Darrin Larrington

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
300 g	WM-G89-8	1	300.00392025	300.00300173	0.00009860	CC1201_300g	300gd
200 g	WM-G89-8	2	200.00417263	200.00356028	0.00013243	CC1201_200g	200gd
100 g	WM-G89-8	3	100.00080753	100.00050136	0.00003579	AT106_100g	100grl
50 g	WM-G89-8	4	50.00072457	50.00057149	0.00002679	AT106_50g	50grl
30 g	WM-G89-8	5	30.00048840	30.00039655	0.00002441	AT106_50g	30grl
20 g	WM-G89-8	6	20.00054376	20.00048253	0.00001231	AT106_20g	20grl
10 g	WM-G89-8	7	10.00020877	10.00017815	0.00001300	AT106_10g	10grl
5 g	WM-G89-8	8	5.00035492	5.00033961	0.00000436	CCE6_5G	5grl
3 g	WM-G89-8	9	3.00028086	3.00027167	0.00000398	CCE6_5G	3grl
2 g	WM-G89-8	10	2.00005182	2.00004570	0.00000387	CCE6_5G	2grl
1 g	WM-G89-8	11	1.00004076	1.00003770	0.00000316	CCE6_1G	1grl
500 mg	WM-G89-8	12	0.50000511	0.50000357	0.00000308	CCE6_1G	500mgrl
200 mg	WM-G89-8	13	0.19998863	0.19998802	0.00000303	CCE6_1G	200mgrl
200 mg*	WM-G89-8	14	0.19997153	0.19997092	0.00000303	CCE6_1G	200mgrl
100 mg	WM-G89-8	15	0.09996156	0.09996125	0.00000321	CCE6_100MG	100mgrl
50 mg	WM-G89-8	16	0.05000230	0.05000214	0.00000312	CCE6_100MG	50mgrl
20 mg	WM-G89-8	17	0.02002361	0.02001772	0.00000309	CCE6_100MG	20mgrl
20 mg*	WM-G89-8	18	0.02001511	0.02000922	0.00000309	CCE6_100MG	20mgrl
10 mg	WM-G89-8	19	0.00998885	0.00998591	0.00000206	CCE6_10MG	10mgrl
5 mg	WM-G89-8	20	0.00500072	0.00499925	0.00000206	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

Agency ID: 75

Agency: Food Safety & Consumer Protection
Ansley, NE -

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Observer: CEO

Form No.: NE04LF7-R00

Submitted By: Darrin Larrington

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Denom.	Serial Number	Wt. No.	True Mass (g)	Conventional Mass (g)	Uncertainty (g)	Comparator used	Standard used
2 mg	WM-G89-8	21	0.00200080	0.00200021	0.00000206	CCE6_10MG	2mgrl
2 mg*	WM-G89-8	22	0.00200025	0.00199966	0.00000206	CCE6_10MG	2mgrl
1 mg	WM-G89-8	23	0.00101023	0.00100994	0.00000207	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
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(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 75

Agency: Food Safety & Consumer Protection
Ansley, NE -

Form No.: NE03LF12-R00

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Submitted By: Darrin Larrington

Page 1 of 11

Serial #: 0233
Retest #: 0
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	65 °F	0.998532	0 in3

Test Measure Information

Water Temperature: 65.2 °F
Water Density: 0.998532 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: 0.0021 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

Nebraska Standards Laboratory
3721 West Cumming Street
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(402) 471-2087

SOP 19 - Volume Transfer Test Results

Agency ID: 75

Agency: Food Safety & Consumer Protection
Ansley, NE -

Form No.: NE03LF12-R00

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Submitted By: Darrin Larrington

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Serial #: 0233
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	64.1 °F	0.998625	0 in3

Test Measure Information

Water Temperature: 64.2 °F
Water Density: 0.998625 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: 0.0021 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

Nebraska Standards Laboratory
3721 West Cumming Street
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SOP 19 - Volume Transfer Test Results

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Serial #: 0234
Retest #: 0
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	64.3 °F	0.998604	0 in3

Test Measure Information

Water Temperature: 64.4 °F
Water Density: 0.998604 g/cm³
Scale Reading: -0.1 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 4.9996 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0021 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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SOP 19 - Volume Transfer Test Results

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Agency: Food Safety & Consumer Protection
Ansley, NE -

Form No.: NE03LF12-R00

NE Cert No: 20140061

Date: 7/7/2014

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Submitted By: Darrin Larrington

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Serial #: 0234
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	63.7 °F	0.998665	0 in3

Test Measure Information

Water Temperature: 63.8 °F
Water Density: 0.998665 g/cm³
Scale Reading: -0.1 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 4.9996 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0021 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 #: 0235
Retest #: 0
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	64.2 °F	0.998614	0 in3

Test Measure Information

Water Temperature: 64.3 °F
Water Density: 0.998614 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: 0.0021 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 #: 0235
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	64.1 °F	0.998625	0 in3

Test Measure Information

Water Temperature: 64.2 °F
Water Density: 0.998625 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: 0.0021 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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SOP 19 - Volume Transfer Test Results

Agency ID: 75

Agency: Food Safety & Consumer Protection
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Form No.: NE03LF12-R00

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Submitted By: Darrin Larrington

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Serial #: 43872
Retest #: 0
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	63.7 °F	0.998665	0 in3

Test Measure Information

Water Temperature: 63.8 °F
Water Density: 0.998665 g/cm³
Scale Reading: -0.1 cu.in.

Test Results

Test Measure Volume @ 60° F at zero scale reading: 4.9996 gal.
Tolerance: 0.0025 gal.
Uncertainty: 0.0021 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

Nebraska Standards Laboratory
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SOP 19 - Volume Transfer Test Results

Agency ID: 75

Agency: Food Safety & Consumer Protection
Ansley, NE -

Form No.: NE03LF12-R00

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Submitted By: Darrin Larrington

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Serial #: 43872
Retest #: 1
Denomination: 5 gal
Observer: CEO

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

Test Data

Del#	Std ID	Delivery	Material	Coef of Exp	Water Temp	Water Density	Delta
1	5gal	4.9991	SS	0.0000265 /°F	64.2 °F	0.998614	0 in3

Test Measure Information

Water Temperature: 64.2 °F
Water Density: 0.998614 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: 0.0021 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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SOP 19 - Volume Transfer Test Results

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Form No.: NE03LF12-R00

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Date: 7/7/2014

P.O. No:

Submitted By: Darrin Larrington

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Serial #: 4393-5H
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	65.5 °F	0.998479	0 in3

Test Measure Information

Water Temperature: 65.7 °F
Water Density: 0.998479 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: 0.0021 gal.

Accepted/Rejected: A

1 cubic meter = 264.172 gallons

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

SOP 19 - Volume Transfer Test Results

Agency ID: 75

Agency: Food Safety & Consumer Protection
Ansley, NE -

Form No.: NE03LF12-R00

NE Cert No: 20140061

Date: 7/7/2014

P.O. No:

Submitted By: Darrin Larrington

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Serial #: 4393-5H
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	64.7 °F	0.998563	0 in3

Test Measure Information

Water Temperature: 64.8 °F
Water Density: 0.998563 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: 0.0021 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: 75

Agency: Food Safety & Consumer Protection
Ansley, NE -

Form No.: NE03LF12-R00

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P.O. No:

Submitted By: Darrin Larrington

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Serial #: 4393-5H
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	64.5 °F	0.998584	0 in3

Test Measure Information

Water Temperature: 64.6 °F
Water Density: 0.998584 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: 0.0021 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: 75
 Agency: Food Safety & Consumer Protection
 Ansley, NE -

NE Cert No: 20140061
 Date: 7/7/2014
 P.O. No:
 Observer: CEO

Submitted By: Darrin Larrington

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
2193	1	0	1000 lb	XP604KM_1K lb	C24	-26.2201000 g	45 g	3.3136624 g	A
4	1	0	4 kg	CC10000S_5kg	4kg_2kgd+2kg	0.0462400 g	0.08 g	0.3250030 g	A
5A10	1	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0085800 g	0.091 g	0.0005970 g	A
5A10	2	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0294800 g	0.091 g	0.0005970 g	A
5A10	3	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0284800 g	0.091 g	0.0005970 g	A
5A10	4	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0336800 g	0.091 g	0.0005970 g	A
5A10	5	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0308800 g	0.091 g	0.0005970 g	A
5A10	6	0	2 lb	CC1201_2 lb	NSL-2-1	0.0006200 g	0.091 g	0.0005970 g	A
5A10	7	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0073800 g	0.091 g	0.0005970 g	A
5A10	8	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0201800 g	0.091 g	0.0005970 g	A
5A10	9	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0115800 g	0.091 g	0.0005970 g	A
5A10	10	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0170800 g	0.091 g	0.0005970 g	A
5A10	11	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0785800 g	0.091 g	0.0005970 g	A
5A10	12	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0105800 g	0.091 g	0.0005970 g	A
5A10	13	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0061800 g	0.091 g	0.0005970 g	A
5A10	14	0	2 lb	CC1201_2 lb	NSL-2-1	-0.0702800 g	0.091 g	0.0005970 g	A
5A10	15	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0341200 g	0.07 g	0.0004591 g	A
5A10	16	0	1 lb	CC1201_1 lb	NSL-1-1	-0.0369200 g	0.07 g	0.0004591 g	A
5A10	17	0	8 oz	CC1201_8 oz	NSL-8-1	-0.0107700 g	0.045 g	0.0005132 g	A
5A10	18	0	4 oz	CC1201_8 oz	NSL-Z	0.0020440 g	0.023 g	0.0005104 g	A
5A10	19	0	2 oz	AT106_0.2 lb	NSL-Y	0.0024020 g	0.011 g	0.0000514 g	A
5A10	20	0	1 oz	AT106_0.2 lb	2A9-1oz	-0.0038840 g	0.0054 g	0.0000485 g	A
5A10	21	0	0.5 oz	AT106_0.05 lb	2A9-1.2oz	0.0004010 g	0.0028 g	0.0000241 g	A
5A10	22	0	0.25 oz	AT106_0.05 lb	2A9-1.4oz	0.0005640 g	0.0017 g	0.0000231 g	A
5A10	23	0	0.125 oz	CCE6_0.01 lb	2A9-1.8oz	-0.0002968 g	0.0013 g	0.0001934 g	A
5A10	25	0	0.0625 oz*	CCE6_0.01 lb	2A9-1.16oz	0.0002741 g	0.0011 g	0.0001933 g	A

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

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Agency ID: 75
 Agency: Food Safety & Consumer Protection
 Ansley, NE -

NE Cert No: 20140061
 Date: 7/7/2014
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 Observer: CEO

Submitted By: Darrin Larrington

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
5A10	26	0	0.3 lb	CC1201_8 oz	NSL-WK1	-0.0030420 g	0.027 g	0.0005104 g	A
5A10	27	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0014280 g	0.018 g	0.0000628 g	A
5A10	28	0	0.1 lb	AT106_0.2 lb	NSL-WK3	-0.0032930 g	0.0091 g	0.0000504 g	A
5A10	29	0	0.05 lb	AT106_0.05 lb	NSL-WK4	-0.0002420 g	0.0045 g	0.0000272 g	A
5A10	30	0	0.03 lb	AT106_0.05 lb	NSL-WK5	-0.0018240 g	0.0027 g	0.0000241 g	A
5A10	31	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0006700 g	0.0018 g	0.0000231 g	A
5A10	32	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0006359 g	0.0015 g	0.0001934 g	A
5A10	33	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	-0.0011778 g	0.0012 g	0.0001934 g	A
5A10	34	0	0.003 lb	CCE6_0.01 lb	NSL-WK9	-0.0002941 g	0.00099 g	0.0001933 g	A
5A10	35	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	-0.0002317 g	0.00087 g	0.0001933 g	A
5A10	36	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0000276 g	0.0007 g	0.0001933 g	A
5A10	37	0	0.001 lb*	CCE6_0.01 lb	NSL-WK11	0.0002418 g	0.0007 g	0.0001933 g	A
A-2	1	0	1000 lb	XP604KM_1K lb	C24	-52.7201000 g	45 g	3.3136624 g	R
A-2	1	1	1000 lb	XP604KM_1K lb	C24	28.8799000 g	45 g	3.3136624 g	A
A-5	1	0	1000 lb	XP604KM_1K lb	C24	-30.7201000 g	45 g	3.3136624 g	A
BA-14	1	0	1000 lb	XP604KM_1K lb	C24	1.0799000 g	45 g	3.3136624 g	A
D32	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6670000 g	1.1 g	0.0419651 g	A
D33	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8170000 g	1.1 g	0.0419651 g	A
D35	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7370000 g	1.1 g	0.0419651 g	A
D36	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7670000 g	1.1 g	0.0419651 g	A
D37	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8970000 g	1.1 g	0.0419651 g	A
D39	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6670000 g	1.1 g	0.0419651 g	A
K3	1	0	2 kg	CC10000S_2kg	2kgd	-0.0379800 g	0.2 g	0.0008625 g	A
OA10	1	0	1000 lb	XP604KM_1K lb	C24	-3.2201000 g	45 g	3.3136624 g	A
OA13	1	0	1000 lb	XP604KM_1K lb	C24	-23.2201000 g	45 g	3.3136624 g	A
OA14	1	0	1000 lb	XP604KM_1K lb	C24	30.4799000 g	45 g	3.3136624 g	A
OA16	1	0	1000 lb	XP604KM_1K lb	C24	-6.0201000 g	45 g	3.3136624 g	A
OA17	1	0	1000 lb	XP604KM_1K lb	C24	-0.5201000 g	45 g	3.3136624 g	A
OA18	1	0	1000 lb	XP604KM_1K lb	C24	-38.3201000 g	45 g	3.3136624 g	A
OA19	1	0	1000 lb	XP604KM_1K lb	C24	-16.9201000 g	45 g	3.3136624 g	A
OA3	1	0	1000 lb	XP604KM_1K lb	C24	-45.2201000 g	45 g	3.3136624 g	R
OA3	1	1	1000 lb	XP604KM_1K lb	C24	21.6799000 g	45 g	3.3136624 g	A
OA4	1	0	1000 lb	XP604KM_1K lb	C24	-56.9201000 g	45 g	3.3136624 g	R

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 Observer: CEO

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
OA4	1	1	1000 lb	XP604KM_1K lb	C24	14.3799000 g	45 g	3.3136624 g	A
OA5	1	0	1000 lb	XP604KM_1K lb	C24	-60.2201000 g	45 g	3.3136624 g	R
OA5	1	1	1000 lb	XP604KM_1K lb	C24	21.1799000 g	45 g	3.3136624 g	A
OA6	1	0	1000 lb	XP604KM_1K lb	C24	-25.5201000 g	45 g	3.3136624 g	A
OA8	1	0	1000 lb	XP604KM_1K lb	C24	-25.2201000 g	45 g	3.3136624 g	A
OPI-A1	1	0	1000 lb	XP604KM_1K lb	C24	-30.9201000 g	45 g	3.3136624 g	A
OPI-A11	1	0	1000 lb	XP604KM_1K lb	C24	-60.7201000 g	45 g	3.3136624 g	R
OPI-A11	1	1	1000 lb	XP604KM_1K lb	C24	14.3799000 g	45 g	3.3136624 g	A
OPI-A12	1	0	1000 lb	XP604KM_1K lb	C24	-57.3201000 g	45 g	3.3136624 g	R
OPI-A12	1	1	1000 lb	XP604KM_1K lb	C24	18.5799000 g	45 g	3.3136624 g	A
OPI-A2	1	0	1000 lb	XP604KM_1K lb	C24	-36.7201000 g	45 g	3.3136624 g	A
OPI-A7	1	0	1000 lb	XP604KM_1K lb	C24	7.9799000 g	45 g	3.3136624 g	A
OPI-C17	1	0	50 lb	KA30-3_50lb	NSL-50-1	-2.2460000 g	2.3 g	0.0528057 g	A
OPI-C17	1	1	50 lb	KA30-3_50lb	NSL-50-1	0.1440000 g	2.3 g	0.0528057 g	A
OPI-C23	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.6490000 g	2.3 g	0.0528057 g	A
OPI-C24	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.4140000 g	2.3 g	0.0528057 g	A
OPI-C32	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.5060000 g	2.3 g	0.0528057 g	A
OPI-C36	1	0	50 lb	KA30-3_50lb	NSL-50-1	0.2440000 g	2.3 g	0.0528057 g	A
OPI-C39	1	0	50 lb	KA30-3_50lb	NSL-50-1	2.3390000 g	2.3 g	0.0528057 g	R
OPI-C39	1	1	50 lb	KA30-3_50lb	NSL-50-1	1.1890000 g	2.3 g	0.0528057 g	A
OPI-C49	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.6490000 g	2.3 g	0.0528057 g	A
OPI-C7	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.4040000 g	2.3 g	0.0528057 g	A
OPI-C8	1	0	50 lb	KA30-3_50lb	NSL-50-1	3.7340000 g	2.3 g	0.0528057 g	R
OPI-C8	1	1	50 lb	KA30-3_50lb	NSL-50-1	0.7340000 g	2.3 g	0.0528057 g	A
OPI-C9	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.2740000 g	2.3 g	0.0528057 g	A
SF-C21	1	0	50 lb	KA30-3_50lb	NSL-50-1	3.5640000 g	2.3 g	0.0528057 g	R
SF-C21	1	1	50 lb	KA30-3_50lb	NSL-50-1	-0.3310000 g	2.3 g	0.0528057 g	A
WM15-21	1	0	15 lb	KA30-3_25lb	NEBR-STD-15	-0.2593310 g	0.5 g	0.0364211 g	A
WM15-22	1	0	15 lb	KA30-3_25lb	NEBR-STD-15	0.2356690 g	0.5 g	0.0364211 g	A
WM25-104	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8670000 g	1.1 g	0.0419651 g	A
WM25-33	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.5730000 g	1.1 g	0.0419651 g	A
WM25-39	1	0	25 lb	KA30-3_25lb	NSL-25-1	-0.0980000 g	1.1 g	0.0419651 g	A
WM25-48	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9720000 g	1.1 g	0.0419651 g	A

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

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Serial Number	Wt. No.	Retest No.	Denom.	Comparator used	Standard Used	Error of test weight	Tolerance	Uncertainty	Accepted or Rejected
WM25-48	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.1170000 g	1.1 g	0.0419651 g	A
WM25-49	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8970000 g	1.1 g	0.0419651 g	A
WM25-50	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.6120000 g	1.1 g	0.0419651 g	A
WM25-80	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.0820000 g	1.1 g	0.0419651 g	A
WM25-80	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.2920000 g	1.1 g	0.0419651 g	A
WM25-81	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.5520000 g	1.1 g	0.0419651 g	A
WM25-82	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.9620000 g	1.1 g	0.0419651 g	A
WM25-82	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.0170000 g	1.1 g	0.0419651 g	A
WM25-83	1	0	25 lb	KA30-3_25lb	NSL-25-1	1.1420000 g	1.1 g	0.0419651 g	R
WM25-83	1	1	25 lb	KA30-3_25lb	NSL-25-1	0.4720000 g	1.1 g	0.0419651 g	A
WM25-84	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7070000 g	1.1 g	0.0419651 g	A
WM25-85	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.8520000 g	1.1 g	0.0419651 g	A
WM25-86	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7170000 g	1.1 g	0.0419651 g	A
WM25-87	1	0	25 lb	KA30-3_25lb	NSL-25-1	0.7070000 g	1.1 g	0.0419651 g	A
WM-2-89-2	1	0	1 kg	CC1201_1 kg	1kgd	0.0510700 g	0.1 g	0.0004694 g	A
WM-2-89-2	2	0	500 g	CC1201_1 kg	500gd	0.0479780 g	0.07 g	0.0004360 g	A
WM-2-89-2	3	0	200 g	CC1201_1 kg	200gd	0.0148140 g	0.04 g	0.0004353 g	A
WM-2-89-2	4	0	200 g*	CC1201_1 kg	200gd	0.0118140 g	0.04 g	0.0004353 g	A
WM-2-89-2	5	0	100 g	AT106_100g	100gv	0.0012630 g	0.02 g	0.0000588 g	A
WM-2-89-2	6	0	50 g	AT106_50g	50gv	0.0062180 g	0.01 g	0.0000362 g	A
WM-2-89-2	7	0	20 g	AT106_20g	20gv	0.0010800 g	0.004 g	0.0000252 g	A
WM-2-89-2	8	0	20 g*	AT106_20g	20gv	0.0011030 g	0.004 g	0.0000252 g	A
WM-2-89-2	9	0	10 g	AT106_10g	10gv	0.0007157 g	0.002 g	0.0000221 g	A
WM-2-89-2	10	0	5 g	CCE6_5 gm	5gv	-0.0001109 g	0.0015 g	0.0000166 g	A
WM-2-89-2	11	0	2 g	CCE6_5 gm	2gv	0.0007774 g	0.0011 g	0.0000164 g	A
WM-2-89-2	12	0	2 g*	CCE6_5 gm	2gv	0.0003912 g	0.0011 g	0.0000164 g	A
WM-2-89-2	13	0	1 g	CCE6_1 gm	1gv	0.0002809 g	0.0009 g	0.0000165 g	A
WM-2-89-2	14	0	500 mg	CCE6_1 gm	500mgv	0.0002579 g	0.00072 g	0.0000165 g	A
WM-2-89-2	15	0	200 mg	CCE6_1 gm	200mgv	0.0003551 g	0.00054 g	0.0000164 g	A
WM-2-89-2	16	0	200 mg*	CCE6_1 gm	200mgv	0.0003299 g	0.00054 g	0.0000164 g	A
WM-2-89-2	17	0	100 mg	CCE6_100 mg	100mgv	0.0002309 g	0.00043 g	0.0000164 g	A
WM-41	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.2240000 g	2.3 g	0.0528057 g	A
WM50-40	1	0	50 lb	KA30-3_50lb	NSL-50-1	3.6940000 g	2.3 g	0.0528057 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
WM50-40	1	1	50 lb	KA30-3_50lb	NSL-50-1	-0.0010000 g	2.3 g	0.0528057 g	A
WM50-70	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.7990000 g	2.3 g	0.0528057 g	A
WM-6C98	1	0	10 lb	CC10000S_10lb	NEBR-STD-10	0.1442000 g	0.45 g	0.0023692 g	A
WM-6C98	2	0	5 lb	CC10000S_5lb	NSL-5-1	0.0700000 g	0.23 g	0.0017179 g	A
WM-6C98	3	0	2 lb	CC1201_2 lb	NSL-2-1	0.0385200 g	0.091 g	0.0005970 g	A
WM-6C98	4	0	2 lb*	CC1201_2 lb	NSL-2-1	0.0478200 g	0.091 g	0.0005970 g	A
WM-6C98	5	0	1 lb	CC1201_1 lb	NSL-1-1	0.0299800 g	0.07 g	0.0004591 g	A
WM-6C98	6	0	0.5 lb	CC1201_8 oz	NSL-8-1	0.0285300 g	0.045 g	0.0005132 g	A
WM-6C98	7	0	0.2 lb	AT106_0.2 lb	NSL-WK2	0.0082110 g	0.018 g	0.0000628 g	A
WM-6C98	8	0	0.2 lb*	AT106_0.2 lb	NSL-WK2	0.0087690 g	0.018 g	0.0000628 g	A
WM-6C98	9	0	0.1 lb	AT106_0.2 lb	NSL-WK3	0.0041070 g	0.0091 g	0.0000504 g	A
WM-6C98	10	0	0.05 lb	AT106_0.05 lb	NSL-WK4	0.0021750 g	0.0045 g	0.0000272 g	A
WM-6C98	11	0	0.02 lb	AT106_0.05 lb	NSL-WK6	0.0006590 g	0.0018 g	0.0000231 g	A
WM-6C98	12	0	0.02 lb*	AT106_0.05 lb	NSL-WK6	0.0006550 g	0.0018 g	0.0000231 g	A
WM-6C98	13	0	0.01 lb	CCE6_0.01 lb	NSL-WK7	0.0006228 g	0.0015 g	0.0001934 g	A
WM-6C98	14	0	0.005 lb	CCE6_0.01 lb	NSL-WK8	0.0005316 g	0.0012 g	0.0001934 g	A
WM-6C98	15	0	0.002 lb	CCE6_0.01 lb	NSL-WK10	-0.0000184 g	0.00087 g	0.0001933 g	A
WM-6C98	16	0	0.002 lb*	CCE6_0.01 lb	NSL-WK10	0.0004451 g	0.00087 g	0.0001933 g	A
WM-6C98	17	0	0.001 lb	CCE6_0.01 lb	NSL-WK11	0.0001760 g	0.0007 g	0.0001933 g	A
WM-C-A13	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.1360000 g	2.3 g	0.0528057 g	A
WM-C-A14	1	0	50 lb	KA30-3_50lb	NSL-50-1	2.0640000 g	2.3 g	0.0528057 g	A
WM-C-A15	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.9610000 g	2.3 g	0.0528057 g	A
WM-C-A17	1	0	50 lb	KA30-3_50lb	NSL-50-1	2.3390000 g	2.3 g	0.0528057 g	R
WM-C-A17	1	1	50 lb	KA30-3_50lb	NSL-50-1	0.2840000 g	2.3 g	0.0528057 g	A
WM-C-A18	1	0	50 lb	KA30-3_50lb	NSL-50-1	1.2490000 g	2.3 g	0.0528057 g	A
WM-C-A20	1	0	50 lb	KA30-3_50lb	NSL-50-1	-0.7360000 g	2.3 g	0.0528057 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.



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

Date: 7/7/2014

Agency ID: 75

Ansley, NE -

NE Cert No: 20140061

P.O. No:

Page 1

Submitted By: Darrin Larrington

<u>Denomination</u>	<u>Serial Number</u>	<u>Weight Number</u>	<u>Tolerance Class</u>
5 gal	0233	1	VL
5 gal	0234	1	VL
5 gal	0235	1	VL
1000 lb	2193	1	F
4 kg	4	1	4
5 gal	43872	1	VL
5 gal	4393-5H	1	VL
2 lb	5A10	1	F
2 lb	5A10	2	F
2 lb	5A10	3	F
2 lb	5A10	4	F
2 lb	5A10	5	F
2 lb	5A10	6	F
2 lb	5A10	7	F
2 lb	5A10	8	F
2 lb	5A10	9	F
2 lb	5A10	10	F
2 lb	5A10	11	F
2 lb	5A10	12	F
2 lb	5A10	13	F
2 lb	5A10	14	F
1 lb	5A10	15	F
1 lb	5A10	16	F
8 oz	5A10	17	F
4 oz	5A10	18	F

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Ansley, NE -

Submitted By: Darrin Larrington

Denomination	Serial Number	Weight Number	Tolerance Class
2 oz	5A10	19	F
1 oz	5A10	20	F
0.5 oz	5A10	21	F
0.25 oz	5A10	22	F
0.125 oz	5A10	23	F
0.0625 oz*	5A10	25	F
0.3 lb	5A10	26	F
0.2 lb	5A10	27	F
0.1 lb	5A10	28	F
0.05 lb	5A10	29	F
0.03 lb	5A10	30	F
0.02 lb	5A10	31	F
0.01 lb	5A10	32	F
0.005 lb	5A10	33	F
0.003 lb	5A10	34	F
0.002 lb	5A10	35	F
0.001 lb	5A10	36	F
0.001 lb*	5A10	37	F
1000 lb	A-2	1	F
1000 lb	A-5	1	F
1000 lb	BA-14	1	F
25 lb	D32	1	F
25 lb	D33	1	F
25 lb	D35	1	F
25 lb	D36	1	F
25 lb	D37	1	F
25 lb	D39	1	F
2 kg	K3	1	F
1000 lb	OA10	1	F
1000 lb	OA13	1	F
1000 lb	OA14	1	F
1000 lb	OA16	1	F
1000 lb	OA17	1	F
1000 lb	OA18	1	F
1000 lb	OA19	1	F
1000 lb	OA3	1	F

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Submitted By: Darrin Larrington

Denomination	Serial Number	Weight Number	Tolerance Class
1000 lb	OA4	1	F
1000 lb	OA5	1	F
1000 lb	OA6	1	F
1000 lb	OA8	1	F
1000 lb	OPI-A1	1	F
1000 lb	OPI-A11	1	F
1000 lb	OPI-A12	1	F
1000 lb	OPI-A2	1	F
1000 lb	OPI-A7	1	F
50 lb	OPI-C17	1	F
50 lb	OPI-C23	1	F
50 lb	OPI-C24	1	F
50 lb	OPI-C32	1	F
50 lb	OPI-C36	1	F
50 lb	OPI-C39	1	F
50 lb	OPI-C49	1	F
50 lb	OPI-C7	1	F
50 lb	OPI-C8	1	F
50 lb	OPI-C9	1	F
50 lb	SF-C21	1	F
15 lb	WM15-21	1	6
15 lb	WM15-22	1	6
25 lb	WM25-104	1	F
25 lb	WM25-33	1	F
25 lb	WM25-39	1	F
25 lb	WM25-48	1	F
25 lb	WM25-49	1	F
25 lb	WM25-50	1	F
25 lb	WM25-80	1	F
25 lb	WM25-81	1	F
25 lb	WM25-82	1	F
25 lb	WM25-83	1	F
25 lb	WM25-84	1	F
25 lb	WM25-85	1	F
25 lb	WM25-86	1	F
25 lb	WM25-87	1	F

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Ansley, NE -

Submitted By: Darrin Larrington

Denomination	Serial Number	Weight Number	Tolerance Class
1 kg	WM-2-89-2	1	F
500 g	WM-2-89-2	2	F
200 g	WM-2-89-2	3	F
200 g*	WM-2-89-2	4	F
100 g	WM-2-89-2	5	F
50 g	WM-2-89-2	6	F
20 g	WM-2-89-2	7	F
20 g*	WM-2-89-2	8	F
10 g	WM-2-89-2	9	F
5 g	WM-2-89-2	10	F
2 g	WM-2-89-2	11	F
2 g*	WM-2-89-2	12	F
1 g	WM-2-89-2	13	F
500 mg	WM-2-89-2	14	F
200 mg	WM-2-89-2	15	F
200 mg*	WM-2-89-2	16	F
100 mg	WM-2-89-2	17	F
50 lb	WM-41	1	F
50 lb	WM50-40	1	F
50 lb	WM50-70	1	F
10 lb	WM-6C98	1	F
5 lb	WM-6C98	2	F
2 lb	WM-6C98	3	F
2 lb*	WM-6C98	4	F
1 lb	WM-6C98	5	F
0.5 lb	WM-6C98	6	F
0.2 lb	WM-6C98	7	F
0.2 lb*	WM-6C98	8	F
0.1 lb	WM-6C98	9	F
0.05 lb	WM-6C98	10	F
0.02 lb	WM-6C98	11	F
0.02 lb*	WM-6C98	12	F
0.01 lb	WM-6C98	13	F
0.005 lb	WM-6C98	14	F
0.002 lb	WM-6C98	15	F
0.002 lb*	WM-6C98	16	F

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Submitted By: Darrin Larrington

Denomination	Serial Number	Weight Number	Tolerance Class
0.001 lb	WM-6C98	17	F
50 lb	WM-C-A13	1	F
50 lb	WM-C-A14	1	F
50 lb	WM-C-A15	1	F
50 lb	WM-C-A17	1	F
50 lb	WM-C-A18	1	F
50 lb	WM-C-A20	1	F
300 g	WM-G89-8	1	4
200 g	WM-G89-8	2	4
100 g	WM-G89-8	3	4
50 g	WM-G89-8	4	4
30 g	WM-G89-8	5	4
20 g	WM-G89-8	6	4
10 g	WM-G89-8	7	4
5 g	WM-G89-8	8	4
3 g	WM-G89-8	9	4
2 g	WM-G89-8	10	4
1 g	WM-G89-8	11	4
500 mg	WM-G89-8	12	4
200 mg	WM-G89-8	13	4
200 mg*	WM-G89-8	14	4
100 mg	WM-G89-8	15	4
50 mg	WM-G89-8	16	4
20 mg	WM-G89-8	17	4
20 mg*	WM-G89-8	18	4
10 mg	WM-G89-8	19	4
5 mg	WM-G89-8	20	4
2 mg	WM-G89-8	21	4
2 mg*	WM-G89-8	22	4
1 mg	WM-G89-8	23	4

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Submitted By: Darrin Larrington

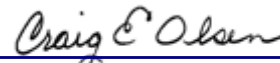
Denomination	Serial Number	Weight Number	Tolerance Class
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These field standards have been compared with our reference standards and found to be within the tolerances for their class, or condemned, as prescribed by the National Institute of Standards 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.

See 'Test Results' attached

See report/letter attached



Craig E. Olsen

Nebraska State Metrologist

Department of Agriculture, 301 Centennial Mall South

Web Site: www.agr.ne.gov

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