

**INSTRUMENT INFORMATION**

SERIAL #	A1234567C
SIZE (UL)	100
MANUFACTURER	Eppendorf 8CH
LOCATION	Company name
DEPARTMENT	Production
CONTACT	Smith, J.
RESTRICTION	GLP
CALIBRATION DATE	01-Nov-2010
CALIBRATED BY	PS
CALIBRATION DUE	01-May-2011

**ENVIRONMENTAL CONDITIONS**

TEMPERATURE IN C	21.11
RELATIVE HUMIDITY IN %	55.50
BAROMETRIC P. IN mmHg	762.00
AIR DENSITY	0.001203036
Z FACTOR	1.002982872

**MEASUREMENT & TEST EQUIP. INFO**

THERMO-HYGROMETER SERIAL #	90917310
CALIBRATION DUE	30-Nov-2010
BALANCE ID	METTLER
BALANCE MODEL	AG245
BALANCE SERIAL #	1117023184
CALIBRATION DUE	28-Feb-2011
WEIGHT SET SERIAL #	1MN2
CALIBRATION DUE	31-Aug-2012

**PARTS REPLACED**

SEAL	N/A	N
O RING	N/A	N
PISTON	N/A	N
SHAFT	N/A	N
TENSION RING	N/A	N
REPAIR	N/A	N
CALIBRATION ONLY	YES	Y
PREVENTIVE MAINT.	N/A	N

<b>AS FOUND - STATUS</b>	<b>FAIL</b>
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Technician \_\_\_\_\_  
 Approved By \_\_\_\_\_ Date: 01-Nov-2010

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**TOLERANCE LIMITS**

VOLUME ul	INACCURACY %	+/- ml	FROM (ml)	TO (ml)	IMPRECISION %
25	3	0.00075	0.02425	0.02575	3

100	3	0.00300	0.09700	0.10300	3
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**AS FOUND-CALIBRATION DATA CHANNEL 1**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02310	0.02317
2	0.02380	0.02387
3	0.02270	0.02277

**AS FOUND-CALIBRATION DATA CHANNEL 2**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517
2	0.02480	0.02487
3	0.02530	0.02538

**AS FOUND-CALIBRATION DATA CHANNEL 3**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517
2	0.02480	0.02487
3	0.02530	0.02538

**AS FOUND-CALIBRATION DATA CHANNEL 4**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517
2	0.02480	0.02487
3	0.02530	0.02538

**NOTE:**

calSierra v1.9.8

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02327	0.09535
0.09530	0.09558	SD	0.00056	0.00025
0.09480	0.09508	INACCURACY	6.92319	4.64976
0.09510	0.09538	IMPRECISION	2.39990	0.26472
		<b>STATUS</b>		
		ACCURACY	FAIL	FAIL
		PRECISION	PASS	PASS

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02514	0.09986
0.09970	0.10000	SD	0.00025	0.00032
0.09920	0.09950	INACCURACY	0.56575	0.13634
0.09980	0.10010	IMPRECISION	1.00397	0.32285
		<b>STATUS</b>		
		ACCURACY	PASS	PASS
		PRECISION	PASS	PASS

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02514	0.09986
0.09970	0.10000	SD	0.00025	0.00032
0.09920	0.09950	INACCURACY	0.56575	0.13634
0.09980	0.10010	IMPRECISION	1.00397	0.32285
		<b>STATUS</b>		
		ACCURACY	PASS	PASS
		PRECISION	PASS	PASS

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02514	0.09986
0.09970	0.10000	SD	0.00025	0.00032
0.09920	0.09950	INACCURACY	0.56575	0.13634
0.09980	0.10010	IMPRECISION	1.00397	0.32285
		<b>STATUS</b>		
		ACCURACY	PASS	PASS
		PRECISION	PASS	PASS

**INSTRUMENT INFORMATION**

SERIAL #	A1234567C
SIZE (UL)	100
MANUFACTURER	Eppendorf 8CH
LOCATION	Company name
DEPARTMENT	Production
CONTACT	Smith, J.
RESTRICTION	GLP
CALIBRATION DATE	01-Nov-2010
CALIBRATED BY	PS
CALIBRATION DUE	01-May-2011

**ENVIRONMENTAL CONDITIONS**

TEMPERATURE IN C	21.11
RELATIVE HUMIDITY IN %	55.50
BAROMETRIC P. IN mmHg	762.00
AIR DENSITY	0.001203036
Z FACTOR	1.002982872

**MEASUREMENT & TEST EQUIP. INFO**

HYGROMETER SERIAL #	90917310
CALIBRATION DUE	30-Nov-2010
BALANCE ID	METTLER
BALANCE MODEL	AG245
BALANCE SERIAL #	1117023184
CALIBRATION DUE	28-Feb-2011
WEIGHT SET SERIAL #	1MN2
CALIBRATION DUE	31-Aug-2012

**PARTS REPLACED**

SEAL	N/A	N
O RING	N/A	N
PISTON	N/A	N
SHAFT	N/A	N
TENSION RING	N/A	N
REPAIR	N/A	N
CALIBRATION ONLY	YES	Y
PREVENTIVE MAINT.	N/A	N

<b>AS FOUND - STATUS</b>	<b>PASS</b>
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Technician \_\_\_\_\_  
 Approved By \_\_\_\_\_ Date: 01-Nov-2010

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**TOLERANCE LIMITS**

VOLUME ul	INACCURACY %	+/- ml	FROM (ml)	TO (ml)	IMPRECISION %
25	3	0.00075	0.02425	0.02575	3

100	3	0.00300	0.09700	0.10300	3
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**AS FOUND-CALIBRATION DATA CHANNEL 5**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517
2	0.02480	0.02487
3	0.02530	0.02538

**AS FOUND-CALIBRATION DATA CHANNEL 6**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517
2	0.02480	0.02487
3	0.02530	0.02538

**AS FOUND-CALIBRATION DATA CHANNEL 7**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517
2	0.02480	0.02487
3	0.02530	0.02538

**AS FOUND-CALIBRATION DATA CHANNEL 8**

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517
2	0.02480	0.02487
3	0.02530	0.02538

**NOTE:**

calSierra v1.9.8

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02514	0.09986
0.09970	0.10000	SD	0.00025	0.00032
0.09920	0.09950	INACCURACY	0.56575	0.13634
0.09980	0.10010	IMPRECISION	1.00397	0.32285
		<b>STATUS</b>		
		ACCURACY	PASS	PASS
		PRECISION	PASS	PASS

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02514	0.09986
0.09970	0.10000	SD	0.00025	0.00032
0.09920	0.09950	INACCURACY	0.56575	0.13634
0.09980	0.10010	IMPRECISION	1.00397	0.32285
		<b>STATUS</b>		
		ACCURACY	PASS	PASS
		PRECISION	PASS	PASS

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02514	0.09986
0.09970	0.10000	SD	0.00025	0.00032
0.09920	0.09950	INACCURACY	0.56575	0.13634
0.09980	0.10010	IMPRECISION	1.00397	0.32285
		<b>STATUS</b>		
		ACCURACY	PASS	PASS
		PRECISION	PASS	PASS

**STATISTICAL ANALYSIS**

WEIGHT(g)	VOLUME(ml)	MEAN (ml)	0.02514	0.09986
0.09970	0.10000	SD	0.00025	0.00032
0.09920	0.09950	INACCURACY	0.56575	0.13634
0.09980	0.10010	IMPRECISION	1.00397	0.32285
		<b>STATUS</b>		
		ACCURACY	PASS	PASS
		PRECISION	PASS	PASS

**INSTRUMENT INFORMATION**

SERIAL #	A1234567C
SIZE (UL)	100
MANUFACTURER	Eppendorf 8CH
LOCATION	Company name
DEPARTMENT	Production
CONTACT	Smith, J.
RESTRICTION	GLP
CALIBRATION DATE	01-Nov-2010
CALIBRATED BY	PS
CALIBRATION DUE	01-May-2011

**ENVIRONMENTAL CONDITIONS**

TEMPERATURE IN C	21.11
RELATIVE HUMIDITY IN %	55.50
BAROMETRIC P. IN mmHg	762.00
AIR DENSITY	0.001203036
Z FACTOR	1.002982872

**MEASUREMENT & TEST EQUIP. INFO**

THERMO-HYGROMETER SERIAL #	90917310
CALIBRATION DUE	30-Nov-2010
BALANCE ID	METTLER
BALANCE MODEL	AG245
BALANCE SERIAL #	1117023184
CALIBRATION DUE	28-Feb-2011
WEIGHT SET SERIAL #	1MN2
CALIBRATION DUE	31-Aug-2012

**PARTS REPLACED**

SEAL	N/A	N
O RING	N/A	N
PISTON	N/A	N
SHAFT	N/A	N
TENSION RING	N/A	N
REPAIR	YES	Y
CALIBRATION ONLY	N/A	N
PREVENTIVE MAINT.	YES	Y

<b>INSTRUMENT STATUS</b>	<b>PASS</b>
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Technician \_\_\_\_\_  
 Approved By \_\_\_\_\_ Date: 01-Nov-2010

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**TOLERANCE LIMITS**

VOLUME ul	INACCURACY %	+/- ml	FROM (ml)	TO (ml)	IMPRECISION %
25	3	0.00075	0.02425	0.02575	3
75	3	0.00225	0.07275	0.07725	3
100	3	0.00300	0.09700	0.10300	3

calSierra v1.9.8

**AS-LEFT CALIBRATION DATA CHANNEL 1**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**AS-LEFT CALIBRATION DATA CHANNEL 2**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**AS-LEFT CALIBRATION DATA CHANNEL 3**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**AS-LEFT CALIBRATION DATA CHANNEL 4**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**Note:** Channel #1 was replaced.

**INSTRUMENT INFORMATION**

SERIAL #	A1234567C
SIZE (UL)	100
MANUFACTURER	Eppendorf 8CH
LOCATION	Company name
DEPARTMENT	Production
CONTACT	Smith, J.
RESTRICTION	GLP
CALIBRATION DATE	01-Nov-2010
CALIBRATED BY	PS
CALIBRATION DUE	01-May-2011

**ENVIRONMENTAL CONDITIONS**

TEMPERATURE IN C	21.11
RELATIVE HUMIDITY IN %	55.50
BAROMETRIC P. IN mmHg	762.00
AIR DENSITY	0.001203036
Z FACTOR	1.002982872

**MEASUREMENT & TEST EQUIP. INFO**

HYGROMETER SERIAL #	90917310
CALIBRATION DUE	30-Nov-2010
BALANCE ID	METTLER
BALANCE MODEL	AG245
BALANCE SERIAL #	1117023184
CALIBRATION DUE	28-Feb-2011
WEIGHT SET SERIAL #	1MN2
CALIBRATION DUE	31-Aug-2012

**PARTS REPLACED**

SEAL	N/A	N
O RING	N/A	N
PISTON	N/A	N
SHAFT	N/A	N
TENSION RING	N/A	N
REPAIR	YES	Y
CALIBRATION ONLY	N/A	N
PREVENTIVE MAINT.	YES	Y

<b>INSTRUMENT STATUS</b>	<b>PASS</b>
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Technician \_\_\_\_\_  
 Approved By \_\_\_\_\_ Date: 01-Nov-2010

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**TOLERANCE LIMITS**

VOLUME ul	INACCURACY %	+/- ml	FROM (ml)	TO (ml)	IMPRECISION %
25	3	0.00075	0.02425	0.02575	3
75	3	0.00225	0.07275	0.07725	3
100	3	0.00300	0.09700	0.10300	3

**AS-LEFT CALIBRATION DATA CHANNEL 5**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**AS-LEFT CALIBRATION DATA CHANNEL 6**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**AS-LEFT CALIBRATION DATA CHANNEL 7**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**AS-LEFT CALIBRATION DATA CHANNEL 8**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.02510	0.02517	0.07480	0.07502	0.10040	0.10070
2	0.02500	0.02507	0.07520	0.07542	0.09970	0.10000
3	0.02490	0.02497	0.07490	0.07512	0.10020	0.10050

**STATISTICAL ANALYSIS**

MEAN (ml)	0.02507	0.07519	0.10040
SD	0.00010	0.00021	0.00036
INACCURACY	0.29829	0.25371	0.39859
IMPRECISION	0.40000	0.27768	0.36019
<b>STATUS</b>			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**Note:**