

**INSTRUMENT INFORMATION**

SERIAL #	A1234567B
SIZE (UL)	10
MANUFACTURER	Finn 12CH
LOCATION	Company name
DEPARTMENT	Manufacturing
CONTACT	Smith, J.
RESTRICTION	GMP
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	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

This calibration was conducted using standards traceable to SI through N.I.S.T. This document may not be reproduced except in full.

**TOLERANCE LIMITS**

VOLUME ul	INACCURACY %	+/- ml	FROM (ml)	TO (ml)	IMPRECISION %
2.5	5	0.00013	0.00238	0.00263	5
7.5	3	0.00023	0.00728	0.00773	3
10	3	0.00030	0.00970	0.01030	3

calSierra v1.9.8

**CALIBRATION DATA CHANNEL 1**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 2**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 3**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 4**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**Note:**

**INSTRUMENT INFORMATION**

SERIAL #	A1234567B
SIZE (UL)	10
MANUFACTURER	Finn 12CH
LOCATION	Company name
DEPARTMENT	Manufacturing
CONTACT	Smith, J.
RESTRICTION	GMP
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	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 %
2.5	5	0.00013	0.00238	0.00263	5
7.5	3	0.00023	0.00728	0.00773	3
10	3	0.00030	0.00970	0.01030	3

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**CALIBRATION DATA CHANNEL 5**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 6**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 7**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 8**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**Note:**

**INSTRUMENT INFORMATION**

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CONTACT	Smith, J.
RESTRICTION	GMP
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CALIBRATED BY	PS
CALIBRATION DUE	01-May-2011

**ENVIRONMENTAL CONDITIONS**

TEMPERATURE IN C	21.11
RELATIVE HUMIDITY IN %	55.50
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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	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 %
2.5	5	0.00013	0.00238	0.00263	5
7.5	3	0.00023	0.00728	0.00773	3
10	3	0.00030	0.00970	0.01030	3

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**CALIBRATION DATA CHANNEL 9**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 10**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 11**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**CALIBRATION DATA CHANNEL 12**

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.00245	0.00246	0.00742	0.00744	0.00994	0.00997
2	0.00246	0.00247	0.00745	0.00747	0.00977	0.00980
3	0.00244	0.00245	0.00738	0.00740	0.00985	0.00988

**STATISTICAL ANALYSIS**

MEAN (ml)	0.00246	0.00744	0.00988
SD	0.00001	0.00004	0.00009
INACCURACY	1.70768	0.81614	1.17275
IMPRECISION	0.40816	0.47351	0.86315

**STATUS**

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

**Note:**