

PIPETTE INFORMATION

SERIAL #	C12345
SIZE (UL)	200
MANUFACTURER	Gilson
LOCATION	Your City
DEPARTMENT	Your Dept.
CONTACT	Your Contact
LEVEL	Level 3
CALIBRATION DATE	27-Apr-2009
CALIBRATED BY	DAB
CALIBRATION DUE	01-Apr-2010

ENVIRONMENTAL CONDITIONS

TEMPERATURE IN C	21.11
RELATIVE HUMIDITY IN %	50.00
BAROMETRIC P. IN mmHg	762.00
AIR DENSITY	0.001203043
Z FACTOR	1.002982877

MEASUREMENT & TEST EQUIP. INFO

THERMO-HYGROMETER SERIAL #	ABC123
CALIBRATION DUE	31-Dec-2010
BALANCE ID	Balance
BALANCE MODEL	ABC123
BALANCE SERIAL #	ABCD1234
CALIBRATION DUE	31-Dec-2010
WEIGHT SET SERIAL #	ABC123
CALIBRATION DUE	31-Dec-2010

PARTS REPLACED

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

INSTRUMENT STATUS	PASS
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Technician _____
Approved By _____ Date: _____

TOLERANCE LIMITS

VOLUME ul	INACCURACY %	+/- ml	FROM (ml)	TO (ml)	IMPRECISION %
50	3	0.00150	0.04850	0.05150	3
150	3	0.00450	0.14550	0.15450	3
200	3	0.00600	0.19400	0.20600	3

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CALIBRATION DATA CHANNEL 1

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

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	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

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	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

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	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

STATUS

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

Note:

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MEASUREMENT & TEST EQUIP. INFO

HYGROMETER SERIAL #	ABC123
CALIBRATION DUE	31-Dec-2010
BALANCE ID	Balance
BALANCE MODEL	ABC123
BALANCE SERIAL #	ABCD1234
CALIBRATION DUE	31-Dec-2010
WEIGHT SET SERIAL #	ABC123
CALIBRATION DUE	31-Dec-2010

PARTS REPLACED

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

INSTRUMENT STATUS	PASS
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Technician _____
 Approved By _____ Date: _____

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150	3	0.00450	0.14550	0.15450	3
200	3	0.00600	0.19400	0.20600	3

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CALIBRATION DATA CHANNEL 5

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

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	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

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	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

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	0.05010	0.05025	0.14750	0.14794	0.19780	0.19839
2	0.05030	0.05045	0.14910	0.14954	0.19850	0.19909
3	0.05020	0.05035	0.14820	0.14864	0.19890	0.19949

STATISTICAL ANALYSIS

MEAN (ml)	0.05035	0.14871	0.19899
SD	0.00010	0.00080	0.00056
INACCURACY	0.69948	0.86071	0.50410
IMPRECISION	0.19920	0.54097	0.28063

STATUS

ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS

Note:

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