

CALIBRATION CERTIFICATE

PIPETTE INFORMATION	
SERIAL #	A12345D
NOMINAL SIZE IN (ul)	200
MANUFACTURER	Brand - 8 Ch.
DEPARTMENT	Your Dept.
LOCATION	Your Company
CONTACT	Your Contact
RESTRICTIONS	N/A
CALIBRATION DATE	30-Sep-2008
CALIBRATED BY	DAB
CALIBRATION DUE	3-30-09
DATA TYPE	AS LEFT
ENVIRONMENTAL CONDITIONS	
TEMPERATURE IN F	70.0
RELATIVE HUMIDITY IN %	50.00
BAROMETRIC PRESSURE mmHg	30.0
AIR DENSITY	0.0012030425621
Z FACTOR	1.0029828772
MEASUREMENT & TEST EQUIP. INFO	
HYGROMETER SERIAL #	1234
CALIBRATION DUE	Jan-2009
BALANCE ID	Brand
BALANCE MODEL	ABC123
BALANCE SERIAL #	ABCD1234
CALIBRATION DUE	Jan-2009
WEIGHT SET SERIAL #	ABC123
CALIBRATION DUE	Aug-2009
PARTS REPLACED	
SEAL	NO
O RING	NO
PISTON	NO
SHAFT	NO
TENSION RING	NO
REPAIR	NO
ADJUST CALIBRATION	NO
PREVENTIVE MAINT.	NO
INSTRUMENT STATUS	PASS

TOLERANCE LIMITS				SERVICE INFORMATION	
VOLUME ul	INACCURACY %	+/- ml	IMPRECISION %	SOP Followed	Level 6 SOP 125-6 DATA TYPE: AS LEFT
50	3.00	0.00150	3.00		
150	3.00	0.00450	3.00		
200	3.00	0.00600	3.00		

AS LEFT CALIBRATION DATA CHANNEL 1							MEAN (ml)	0.05047	0.15037	0.19969	STATISTICAL ANALYSIS
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	+/- ml (Guardband)	0.00132	0.00432	0.00516	
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	INACCURACY %	0.94020	0.24480	0.15305	
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	IMPRECISION %	0.16627	0.05581	0.21011	
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	Proc. Uncert.(k=2)	0.00018	0.00018	0.00084	
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	CALIBRATION RESULTS				
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909	ACCURACY	PASS	PASS	PASS	
							PRECISION	PASS	PASS	PASS	
							Within k=2 95% Confidence	YES	YES	YES	
AS LEFT CALIBRATION DATA CHANNEL 2							MEAN (ml)	0.05047	0.15037	0.19969	STATISTICAL ANALYSIS
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	+/- ml (Guardband)	0.00132	0.00432	0.00516	
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	INACCURACY %	0.94020	0.24480	0.15305	
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	IMPRECISION %	0.16627	0.05581	0.21011	
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	Proc. Uncert.(k=2)	0.00018	0.00018	0.00084	
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	CALIBRATION RESULTS				
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909	ACCURACY	PASS	PASS	PASS	
							PRECISION	PASS	PASS	PASS	
							Within k=2 95% Confidence	YES	YES	YES	
AS LEFT CALIBRATION DATA CHANNEL 3							MEAN (ml)	0.05047	0.15037	0.19969	STATISTICAL ANALYSIS
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	+/- ml (Guardband)	0.00132	0.00432	0.00516	
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	INACCURACY %	0.94020	0.24480	0.15305	
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	IMPRECISION %	0.16627	0.05581	0.21011	
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	Proc. Uncert.(k=2)	0.00018	0.00018	0.00084	
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	CALIBRATION RESULTS				
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909	ACCURACY	PASS	PASS	PASS	
							PRECISION	PASS	PASS	PASS	
							Within k=2 95% Confidence	YES	YES	YES	
AS LEFT CALIBRATION DATA CHANNEL 4							MEAN (ml)	0.05047	0.15037	0.19969	STATISTICAL ANALYSIS
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	+/- ml (Guardband)	0.00132	0.00432	0.00516	
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	INACCURACY %	0.94020	0.24480	0.15305	
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	IMPRECISION %	0.16627	0.05581	0.21011	
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010	Proc. Uncert.(k=2)	0.00018	0.00018	0.00084	
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959	CALIBRATION RESULTS				
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909	ACCURACY	PASS	PASS	PASS	
							PRECISION	PASS	PASS	PASS	
							Within k=2 95% Confidence	YES	YES	YES	

Technician: _____

Approved By: _____

Date: _____

Note:

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Calibration Certificate #2161.01

YourCompany_City_State_CDS_2.0.8_sample

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MANUFACTURER	Brand - 8 Ch.
DEPARTMENT	Your Dept.
LOCATION	Your Company
CONTACT	Your Contact
RESTRICTIONS	N/A
CALIBRATION DATE	30-Sep-2008
CALIBRATED BY	DAB
CALIBRATION DUE	30-Mar-09
DATA TYPE	AS LEFT
ENVIRONMENTAL CONDITIONS	
TEMPERATURE IN F	70
RELATIVE HUMIDITY IN %	50
BAROMETRIC PRESSURE mmHg	30
AIR DENSITY	0.0012030425621
Z FACTOR	1.0029828772
MEASUREMENT & TEST EQUIP. INFO	
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BALANCE ID	Brand
BALANCE MODEL	ABC123
BALANCE SERIAL #	ABCD1234
CALIBRATION DUE	Jan-2009
WEIGHT SET SERIAL #	ABC123
CALIBRATION DUE	Aug-2009
PARTS REPLACED	
SEAL	NO
O RING	NO
PISTON	NO
SHAFT	NO
TENSION RING	NO
REPAIR	NO
ADJUST CALIBRATION	NO
PREVENTIVE MAINT.	NO

INSTRUMENT STATUS	PASS
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Technician: _____

Approved By: _____

Date: _____

TOLERANCE LIMITS				SERVICE INFORMATION	
VOLUME ul	INACCURACY %	+/- ml	IMPRECISION %	SOP Followed	Level 6 SOP 125-6 DATA TYPE: AS LEFT
50	3.00	0.00150	3.00		
150	3.00	0.00450	3.00		
200	3.00	0.00600	3.00		

AS LEFT CALIBRATION DATA CHANNEL 5						
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909

AS LEFT CALIBRATION DATA CHANNEL 6						
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909

AS LEFT CALIBRATION DATA CHANNEL 7						
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909

AS LEFT CALIBRATION DATA CHANNEL 8						
SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
2	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
3	0.05040	0.05055	0.15000	0.15045	0.19950	0.20010
4	0.05030	0.05045	0.14990	0.15035	0.19900	0.19959
5	0.05020	0.05035	0.14980	0.15025	0.19850	0.19909

STATISTICAL ANALYSIS			
MEAN (ml)	0.05047	0.15037	0.19969
+/- ml (Guardband)	0.00132	0.00432	0.00516
INACCURACY %	0.94020	0.24480	0.15305
IMPRECISION %	0.16627	0.05581	0.21011
Proc. Uncert.(k=2)	0.00018	0.00018	0.00084
CALIBRATION RESULTS			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS
Within k=2 95% Confidence	YES	YES	YES
STATISTICAL ANALYSIS			
MEAN (ml)	0.05047	0.15037	0.19969
+/- ml (Guardband)	0.00132	0.00432	0.00516
INACCURACY %	0.94020	0.24480	0.15305
IMPRECISION %	0.16627	0.05581	0.21011
Proc. Uncert.(k=2)	0.00018	0.00018	0.00084
CALIBRATION RESULTS			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS
Within k=2 95% Confidence	YES	YES	YES
STATISTICAL ANALYSIS			
MEAN (ml)	0.05047	0.15037	0.19969
+/- ml (Guardband)	0.00132	0.00432	0.00516
INACCURACY %	0.94020	0.24480	0.15305
IMPRECISION %	0.16627	0.05581	0.21011
Proc. Uncert.(k=2)	0.00018	0.00018	0.00084
CALIBRATION RESULTS			
ACCURACY	PASS	PASS	PASS
PRECISION	PASS	PASS	PASS
Within k=2 95% Confidence	YES	YES	YES

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