



PIPETTE INFORMATION

SERIAL #	1886624
NOMINAL SIZE IN (ul)	1000
MANUFACTURER	EPPENDORF
DEPARTMENT	CAL ID# 0452
LOCATION	ABC CORP
CONTACT	J. SMITH
RESTRICTIONS	GLP
CALIBRATION DATE	6-Dec-2005
CALIBRATED BY	PS
CALIBRATION DUE	5-Dec-2006
TECH'S UNCERTAINTY (ul)	2.51631

ENVIRONMENTAL CONDITIONS

TEMPERATURE IN C	19.9
RELATIVE HUMIDITY IN %	57.9
BAROMETRIC P. IN mmHg	762.0
AIR DENSITY	0.001208056
Z FACTOR	1.002849652

MEASUREMENT & TEST EQUIP. INFO

HYGROMETER SERIAL #	L636260
CALIBRATION DUE	1-Aug-2006
BALANCE ID	SCALTEC
BALANCE MODEL	SBC21
BALANCE SERIAL #	60606200
CALIBRATION DUE	2-Apr-2006
WEIGHT SET SERIAL #	1MN2
CALIBRATION DUE	1-Oct-2006

PARTS REPLACED

SEAL	N/A	
O RING	N/A	
PISTON	N/A	
SHAFT	N/A	
TENSION RING	N/A	
REPAIR	N/A	
CALIBRATION ONLY	N/A	
PREVENTIVE MAINT.	\$49.00	Y
PRE CAL. STATUS	PASS	
INSTRUMENT STATUS	PASS	

TOLERANCE LIMITS

VOLUME ul	INACCURACY %	+/- g	FROM (g)	TO (g)	IMPRECISION %
250	3	0.00750	0.24250	0.25750	3
750	3	0.02250	0.72750	0.77250	3
1000	3	0.03000	0.97000	1.03000	3

PRE-CALIBRATION DATA

SAMPLE	WEIGHT(g)	VOLUME(ml)
1	0.24900	0.24971
2	0.24790	0.24861
3	0.24840	0.24911

WEIGHT(g)	VOLUME(ml)
0.98890	0.99172
0.98970	0.99252
0.99020	0.99302

Note:

MEAN VOLUME(ml)	0.24914
SD	0.00055
INACCURACY	0.34349
IMPRECISION	0.22169
ACCURACY	PASS
PRECISION	PASS

0.99242
0.00066
0.75800
0.06626
PASS
PASS

POST-CALIBRATION DATA

SAMPLE	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)	WEIGHT(g)	VOLUME(ml)
1	0.24900	0.24971	0.74280	0.74492	0.99040	0.99322
2	0.24890	0.24961	0.74210	0.74421	0.99950	1.00235
3	0.24860	0.24931	0.74230	0.74442	0.98920	0.99202
4	0.24930	0.25001	0.74110	0.74321	0.98890	0.99172
5	0.24890	0.24961	0.74170	0.74381	0.99930	1.00215
MEAN VOLUME(ml)	0.24965			0.74411		0.99629
SD	0.00025			0.00064		0.00547
INACCURACY	0.14024			0.78474		0.37090
IMPRECISION	0.10083			0.08630		0.54878
ACCURACY	PASS			PASS		PASS
PRECISION	PASS			PASS		PASS

NOTE:

Technician _____

Approved By _____ Date: _____