

Perfect

STATUS PASSED

### CALIBRATION REPORT

DEVICE ID MICROPIPETTE  
METHOD ID VV1000

DESCRIPTION VARY VOL 100-1000ul  
DATE 11/06/2021

#### ENVIRONMENTAL FACTORS

TEMP. 20.00C      BARO. PRESSURE 750.00 mmHg      REL. HUMIDITY 50.00%  
AIR DENSITY 0.001200g/cm3      Z FACTOR 1.002899cm3/g      CUBIC EXP. 0.0000cm3/degC

#### SAMPLE

#### CALIBRATION STATISTICS

Vol	No.	Wt.	Vol	Vol	Mean	Inaccuracy E%		Imprecision CV%	
						Sd	Actual	Target	Status
100.0	1	99.80	100.10	100.0	100.23	0.094	0.23	0.50	PASSED <0.60
100.0	2	199.80	100.30	500.0	499.14	1.056	0.17	0.60	PASSED <0.20
100.0	3	299.80	100.30	1000.0	1000.96	1.861	0.09	0.50	PASSED <0.20
500.0	1	497.80	499.24						
500.0	2	996.50	500.15						
500.0	3	1493.10	498.14						
1000.0	1	1000.00	1002.90						
1000.0	2	1997.90	1000.79						
1000.0	3	2994.20	999.19						

Perfect

STATUS PASSED

### CALIBRATION REPORT

DEVICE ID MICROPIPETTE

DESCRIPTION VARY VOL 10-100ul

METHOD ID VV 100

DATE 14/04/2021

ENVIRONMENTAL FACTORS

TEMP.20.00C

BARO.PRESSURE 750.00 mmHg

REL.HUMIDITY 50.00%

AIRDENSITY 0.001200g/cm3

FACTOR 1.002899 cm3/g

CUBIC EXP. 0.0000cm3/degC

SAMPLE

CALIBRATION STATISTICS

VOL	NO.	Wt.	VOL.	VOL.	Mean	Sd	Inaccuracy E%		Imprecision CV%	
							Actual	Target	Status	
10.0	1	9.90	9.92	10.0	9.95	0.052	0.5	0.20	PASSED	<0.6
10.0	2	19.90	10.03	50.0	49.84	0.081	0.8	0.60	PASSED	<0.3
10.0	3	29.80	9.92	100.0	100.03	0.313	0.9	0.50	PASSED	<0.3
50.0	1	49.80	49.94							
50.0	2	99.80	49.84							
50.0	3	149.10	49.74							
100.0	1	100.00	100.30							
100.0	2	199.90	100.30							
100.0	3	299.20	99.39							

CALIBRATION REPORT

DEVICE ID	MICROPIPETTE	DESCRIPTION	VARY VOL 5-50ul
METHOD ID	VV 50	DATE	16/03/2021
ENVIRONMENTAL FACTORS			
TEMP.	20.00 C	BARO. PRESSURE	750.00 mmHg REL. HUMIDITY 50.00%
AIR DENSITY	0.001200g/cm3	Z FACTOR	1.002899 cm3/g CUBIC EXP.0.0000cm3/deg C

SAMPLE			CALIBRATION STATISTICS						
Vol	No.	Wt.	Vol	Vol	Inaccuracy E%		Actual	Imprecision CV%	
					Mean	Sd		Target	Status
5.0	1	4.90	4.91	5.0	5.11	0.200	2.29	2.50	PASSED <1.50
5.0	2	10.00	5.11	25.0	24.97	0.173	0.11	0.70	PASSED <0.30
5.0	3	15.30	5.32	50.0	50.07	0.058	0.15	0.70	PASSED <0.30
25.0	1	25.00	25.07						
25.0	2	49.70	24.77						
25.0	3	74.70	25.07						
50.0	1	49.90	50.04						
50.0	2	99.90	50.15						
50.0	3	149.80	50.04						