T.B Hospital

3/03/2020

ISO/IEC 17025:2005
Certificate No.: CC-2705

CALIBRATION REPORT

STATUS : PASSED

DESCRIPTION : Variable Volume Pipette VV-100(10-100 µl)

DEVICE ID : 16308602 **CALIBRATION DATE :** 3/03/2020 4:56 PM

Method ID : VV/10-100 **TERMINAL ID :** 20

ENVIRONMENTAL FACTORS

TEMP : 20.00 °C **Z FACTOR :** 1.0026 mm³/mg **BARO. PRESSURE :** 80.00 KPa **REL. HUMIDITY :** 60.00%

CALIBRATION STATISTICS

						Inaccuracy E%		Imprecision CV%		
Vol (µl)	No	Cum Wt (mg)	Vol (µl)	Mean (µl)	SD (µl)	Actual	Target	Actual	Target	Status
10.000	1	10.000	10.026	9.993	0.058	0.073	6.00	< 2.00	2.00	PASSED
	2	19.900	9.926							
	3	29.900	10.026							
50.000	1	50.000	50.130	50.097	0.058	0.193	1.20	< 0.40	0.40	PASSED
	2	99.900	50.030							
	3	149.900	50.130							
100.000	1	100.300	100.561	100.360	0.266	0.360	0.60	< 0.20	0.20	PASSED
	2	200.500	100.461							
	3	300.300	100.059							

Incharge Q-C

Conforms to Quality Control Standards

Volume	Above 10 µl to 100 µl	Above 100 µl to 1000 µl	Above 1 ml to 10 ml	Above 10 ml to 100 ml
Uncertainty (k=2)	0.1 µl	0.1 µl	0.1 µl	4 µl

Based on data in the records.

- Specifications conform to ISO:8655 standards.
- Each instrument is individually calibrated on electronic balance.
- 750 mmHg = 99.98 kPa.
- Weight in mg or g.
- Volume, Mean & S.D. in ml or µl.

Reference standard

The instrument is calibrated using a standard electronic balance with calibration traceability to NPL.

The reported expanded uncertainty of measurement is calculated by multiplying the standard uncertainty of measurement by the coverage factor k=2, which for normal distribution corresponds to a coverage probability of approximately 95%.