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

28/02/2020

CALIBRATION REPORT

STATUS : PASSED

DESCRIPTION : Fixed Volume Pipette FV-500(500 µl)

DEVICE ID : 16308202

CALIBRATION DATE : 28/02/2020 11:17 AM

Method ID : FV/500

TERMINAL ID : 19

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
500.000	1	498.900	500.197	500.063	0.322	0.013	0.60	< 0.20	0.20	PASSED
	2	997.900	500.297							
	3	1496.300	499.696							

Conforms to ISO : 3665
Quality
Incharge Q.C

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	Based on data in the records.
Uncertainty (k=2)	0.1 µl	0.1 µl	0.1 µl	4 µl	

- 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%.