



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

13/05/2019

STATUS : PASSED

CALIBRATION REPORT

DEVICE ID : 19208219
METHOD ID : VV1000
TERMINAL ID : 6

DESCRIPTION : VARIABLE VOLUME 100-1000UL
CALIBRATION DATE : 13/05/2019 4:07:11PM

ENVIRONMENTAL FACTORS

TEMP : 25.0°C
Z FACTOR : 1.0038mm³/mg

BARO. PRESSURE : 80KPa
REL. HUMIDITY : 58%

CALIBRATION STATISTICS

Vol	No	Wt	Vol	Vol	Mean	SD	Inaccuracy E%		Status	Imprecision CV%
							Actual	Target		
100.0	1	99.00	99.38	100.0	99.78	0.460	0.22	6.00	PASSED	<2.00
100.0	2	198.90	100.28	500.0	499.56	0.670	0.09	1.20	PASSED	<0.40
100.0	3	298.20	99.68	1000.0	1001.32	0.380	0.13	0.60	PASSED	<0.20
500.0	1	496.90	498.79							
500.0	2	994.90	499.89							
500.0	3	1493.00	499.99							
1000.0	1	997.80	1001.59							
1000.0	2	1994.90	1000.89							
1000.0	3	2992.60	1001.49							



Checked by _____ Inspector Q-C Approved by _____ 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 on 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%.