

STATUS PASSED

CALIBRATION REPORT

DEVICE ID 18524232

DESCRIPTION

Variable Volume 10-100ul

METHOD ID VQ100

DATE

22/09/2018

ENVIRONMENTAL FACTORS

TEMP.	20.00 C	BARO.PRESSURE	750.00 mmHg	REL.HUMIDITY	30.00 %
AIR DENSITY	0.001200 g/cm3	Z. FACTOR	1.002899 cm3/g	CUBIC EXP.	0.0000cm3/deg C

SAMPLE				INACCURACY E%							
Vol	No	Wt.	Vol	Vol	Mean	SD	Actual	Target	Status	Imprecision	CV %
10.00	1	9.91	9.94	10.00	10.02	0.101	0.20	8.00	PASSED	<	3.00
10.00	2	10.16	10.19	50.00	50.41	0.573	0.82	1.60	PASSED	<	0.60
10.00	3	9.89	9.92	100.0	99.73	1.593	0.27	0.80	PASSED	<	0.30
50.00	1	49.80	49.94								
50.00	2	50.90	51.05								
50.00	3	50.10	50.25								
100.00	1	100.90	101.1								
100.00	2	99.90	100.1								
100.00	3	97.70	97.98								

Checked by

Inspector 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.

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%.