

Calibration Certificate

Calibration certificate number: 3499 A ULR (Unique Lab Report) number: CC269020000003499F Page 02 of 02

Result summary and verification:
The systematic error (A) and the random error (s) of the volumetric device are compared to ISO 8655-2:2002 (E) acceptance specifications. The expanded measurement uncertainty (U) is accounted, when assessing the status (PASSED or FAILED).

Applied Decision rule: PASSED means Systematic error (A) + Expanded measurement uncertainty (U) < ISO 8655-2 specification (A)
FAILED means Systematic error (A) + Expanded measurement uncertainty (U) > ISO 8655-2 specification (A)

Channel 1

Volume (µl)	Mean volume (µl)	A (µl)	ISO 8655-2 Specification A (±µl)	Status	s (µl)	ISO 8655-2 Specification s (±µl)	Status	U (±µl)
10 µl	9.95	-0.05	0.8 µl	PASSED	0.03	0.3 µl	PASSED	0.04
50 µl	49.96	-0.04	0.8 µl	PASSED	0.09	0.3 µl	PASSED	0.08
100 µl	100.14	0.14	0.8 µl	PASSED	0.07	0.3 µl	PASSED	0.12

Measurement results:

Number of measurements	Channel 1 (Volume)		
	10 µl	50 µl	100 µl
1	9.98	49.75	100.18
2	9.93	49.91	100.13
3	9.99	49.96	100.04
4	9.94	49.96	100.13
5	9.98	49.92	100.14
6	9.95	50.01	100.25
7	9.90	49.98	100.01
8	9.94	50.12	100.18
9	9.91	50.02	100.20
10	9.97	49.94	100.18

Comments: -

Device conformity status (considering applied Decision rule): PASSED

Calibration Laboratory Manager:
(Signature and Date)


Pramod Jadhav

28/10/20
Date

