

Ashuma Diagnostic Solutions (OPC) Pvt. Ltd.

Variable volume Micropipette Calibration Report

Laboratory Name:	Gautam Labdi Diagnostic Centre Viman Nagar, Pune	No-48/2024
Pipette Sr. No.	YEA13AD0039229	Calibration Date 19.06.2024
Pipette Make	Microlab	Recalibration Date 18.06.2025
Pipette Type	VARIABLE VOLUME	Water Temperature 25°C
Pipette Volume	100-1000 µl	Standard Reference Analytical Balance
Pipette Condition	Good	Serial No. of Reference 3206508

Pipette Volume 100-1000 µl

Serial No. →			
Measured Values ↓	100	500	1000
1	100.10	498.20	997.00
2	97.70	499.00	998.00
3	99.20	498.30	998.00
4	99.00	498.00	998.00
5	97.70	498.50	1002.00
6	96.60	499.00	997.00
7	97.30	498.20	1000.00
8	97.30	497.00	1002.00
9	101.30	498.60	1002.00
10	98.90	498.20	1002.00
Mean (g)	0.10049	0.50	0.99960
Mean in mg	98.510	498.300	999.600
Z factor of water at 25°C	1.00360	1.00360	1.00360
Volume dispensed in ml	0.10085	0.50	1.00320
Volume dispensed in µl	100.852	500.094	1003.199
Precision in % (SD)	1.45560	0.57	2.22111
Coefficient of variation	1.44331	0.11	0.22140

Max Permissible absolute sytematic error in µl	3.000	5.000	6.000
Absolute Systematic error of measurement in µl	0.852	0.094	3.199
Max Permissible relative systematic error in %	3.000	1.000	0.600
Relative Systematic error of measurement in %	0.852	0.019	0.320
Max Permissible Absolute random error in µl	0.600	1.000	2.000
Absolute Random error of measurement in µl	1.456	0.570	2.221
Max Permissible Absolute random error in %	0.600	0.200	0.200
Absolute Random error of measurement in %	1.44331	0.11390	0.22140

Calibration Status	Calibrated	Calibrated	Calibrated
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Reference Material Calibration Date: 15.05.2023
Shop No. 03, P Building, Pinnac Memories Phase - 2 Kothrud, Pune - 411038.

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