

# Ashuma Diagnostic Solutions (OPC) Pvt. Ltd.

## Variable volume Micropipette Calibration Report

Laboratory Name: Gautam Labdi Diagnostic Centre No-49/2024  
Viman Nagar, Pune  
Pipette Sr. No. YE21CAW0086258 Calibration Date 19.06.2024  
Pipette Make Microlab Recalibration Date 18.06.2025  
Pipette Type VARIABLE VOLUME Water Temperature 25°C  
Pipette Volume 5-50 µl Standard Reference Analytical Balance  
Pipette Condition Good Serial No. of Reference 3206508

### Pipette Volume 5 - 50 µl

Serial No.→			
Measured Values ↓	5	20	50
1	0.0051	0.0210	0.0500
2	0.0048	0.0196	0.0499
3	0.0052	0.0198	0.0499
4	0.0049	0.0200	0.0500
5	0.0048	0.0196	0.0490
6	0.0050	0.0195	0.0500
7	0.0048	0.0197	0.0501
8	0.0048	0.0203	0.0503
9	0.0047	0.0196	0.0499
10	0.0048	0.0201	0.0500
Mean (g)	0.00489	0.01992	0.04991
Mean in mg	0.005	0.020	0.050
Z factor of water at 25°C	1.00360	1.00360	1.00360
Volume dispensed in ml	0.00491	0.02	0.05009
Volume dispensed in µl	4.908	19.992	50.090
Precision in % (SD)	0.00016	0.00	0.0003
Coefficient of variation	0.00325	0.00	0.00068

Max Permissible sytematic error in µl	0.008	0.200	0.500
Systematic error of measurement in µl	-0.092	-0.008	0.090
Max Permissible random error in µl	0.004	0.060	0.150
Random error of measurement in µl	0.000	0.000	0.0003
Max Permissible random error in %	0.800	0.300	1.000
Random error of measurement in %	0.00325	0.00230	0.00068

Calibration Status	Calibrated	Calibrated	Calibrated
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Reference Material Calibration Date:	15.05.2023
Reference Material Calibration Due Date:	14.05.2024
Reference Material Calibration Certificate No:	ACS/223/CM106/220001

