

# Ashuma Diagnostic Solutions (OPC) Pvt. Ltd.

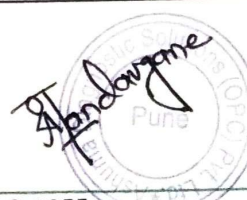
## Variable volume Micropipette Calibration Report

Laboratory Name: Deep Clinical Lab No-10/2024-25  
 Karvenagar Pune 2  
 Pipette Sr. No. 183393 Calibration Date 03.05.2024  
 Pipette Make Labsystem Recalibration Date 02.05.2025  
 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. →	183393		
Measured Values ↓	5	25	50
1	0.0050	0.0254	0.0458
2	0.0051	0.0245	0.0497
3	0.0050	0.0246	0.0501
4	0.0050	0.0245	0.0501
5	0.0050	0.0249	0.0502
6	0.0049	0.0246	0.0533
7	0.0050	0.0247	0.0491
8	0.0050	0.0248	0.0497
9	0.0050	0.0247	0.0508
10	0.0050	0.0249	0.0497
Mean	0.00500	0.02476	0.04985
Z factor of water at 25°C	1.00360	1.00360	1.00360
Volume dispensed in ml	0.00502	0.0248	0.05003
Volume dispensed in µl	5.018	24.849	50.029
Precision in % (SD)	0.00005	0.00	0.00183
Coefficient of variation	0.00099	0.00	0.00365

Max Permissible sytematic error in µl	±0.075	±0.16	±0.5
Systematic error of measurement in µl	0.018	-0.151	0.029
Max Permissible relative systematic error in %	±1.5	±0.8	±1.000
Relative Systematic error of measurement in %	0.360	-0.603	0.059
Max Permissible random error in µl	±0.04	±0.06	±0.15
Random error of measurement in µl	0.000	0.000	0.002
Max Permissible random error in %	±0.8	±0.3	±0.3
Random error of measurement in %	0.001	0.001	0.004
Calibration Status	Calibrated	Calibrated	Calibrated
Reference Material Calibration Date:	15.05.2023		
Reference Material Calibration Due Date:	14.05.2024		
Reference Material Calibration Certificate No:	ACS/223/CM106/220001		



The maximum permissible errors are specified in accordance with DIN EN ISO 8655

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