

Ashuma Diagnostic Solutions (OPC) Pvt. Ltd.

Variable volume Micropipette Calibration Report

Laboratory Name:	Deep Clinical Lab	No. 11/2024-25
	Karvenagar Pune 2	
Pipette Sr. No.	393002	Calibration Date 03.05.2024
Pipette Make	Superfit	Recalibration Date 02.05.2025
Pipette Type	Variable Volume	Water Temperature 25°C
Pipette Volume	10 to 100 µl	Standard Reference Analytical Balance
Pipette Condition	Good	Serial No. of Reference 3206508

Pipette Volume 10 to 100 µl

Serial No. →	393002		
Measured Values ↓	10	50	100
1	0.0098	0.0483	0.0980
2	0.0097	0.0496	0.0991
3	0.0098	0.0497	0.0992
4	0.0097	0.0497	0.0996
5	0.0097	0.0490	0.0993
6	0.0095	0.0487	0.0977
7	0.0096	0.0495	0.0987
8	0.0096	0.0499	0.0999
9	0.0097	0.0493	0.1004
10	0.0096	0.0492	0.0999
Mean (g)	0.01	0.05	0.09918
Mean in mg	0.010	0.049	0.099
Z factor of water at 25°C	1.00360	1.00360	1.00360
Volume dispensed in ml	0.00970	0.05	0.09954
Volume dispensed in µl	9.705	49.467	99.537
Precision in % (SD)	0.00009	0.00	0.00085
Coefficient of variation	0.00098	0.00	0.00086

Max Permissible absolute sytematic error in µl	3.000	5.000	6.000
Absolute Systematic error of measurement in µl	-0.295	-0.533	-0.463
Max Permissible relative systematic error in %	3.000	1.000	0.600
Relative Systematic error of measurement in %	-2.952	-1.065	-0.463
Max Permissible Absolute random error in µl	0.600	1.000	2.000
Absolute Random error of measurement in µl	0.000	0.001	0.001
Max Permissible Absolute random error in %	0.600	0.200	0.200
Absolute Random error of measurement in %	0.00098	0.00102	0.00086

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



Shop No. - 03, 'P' Building, Pinnac Memories, Phase - 2 Kothrud, Pune - 411038.
Mail- ashumadiagnostic@gmail.com website - www.ashumadiagnostic.com Ph.: 9822026172