

# Ashuma Diagnostic Solutions OPC Pvt Ltd.

## CENTRIFUGE CALIBRATION REPORT

Customer Name: Kamal Diagnostics LLP  
Calibration Place: Laboratory  
Temperature: 25°C  
Model: REMI: R -8C 8 Tubes  
Speed Range: 400-4000 Rpm  
Make: Remi  
Serial No: ZHLN48394  
Calibration Date: 27/03/2023  
Calibration Due Date: 26/03/2024

### CALIBRATION RESULTS

Calibration Points RPM	Standard Readings in RPM	UCC Readings in RPM	Error in RPM
1000	1003	1000	+03
2000	2004	2000	+04
2500	2004	2500	+04
3000	3005	3000	+05
4000	4003	4000	+03
5000	5010	5000	+10
6000	6008	6000	+8

Remarks: 1. Results are related to the item calibrated.  
2. Calibration is done without any adjustment.  
3. All readings are average of five readings.

### EQUIPMENT USED FOR CALIBRATION

Name: Digital Tachometer  
Sr. No: L-104639  
Model: DT-2234

*J. Handargane*

Shop No 02, Pinnac Memories Phase-2 "P" Building, Off Karve Road, Kothrud, Pune 411038  
Ph: 9373406375 E mail: ashumadiagnostic@gmail.com

# Ashuma Diagnostic Solutions OPC Pvt Ltd.

## Variable volume Micropipette Calibration Report

Laboratory Name: Kamal Diagnostics LLP

Pipette Sr. No. YEABAD0017589 Calibration Date 27.03.2023

Pipette Make Microlab Recalibration Date 26.03.2024

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	493.50	985.00
2	97.70	491.40	985.00
3	99.20	492.20	986.00
4	99.00	492.60	984.00
5	97.70	492.50	983.20
6	96.60	491.90	985.30
7	97.30	491.20	986.00
8	97.30	492.30	984.10
9	101.30	490.50	984.00
10	95.90	491.30	983.60
Mean (g)	0.10049	0.49	0.98462
Mean in mg	98.210	491.940	984.620
Z factor of water at 25°C	1.00360	1.00360	1.00360
Volume dispensed in ml	0.10085	0.49	0.98816
Volume dispensed in µl	100.852	493.711	988.165
Precision in % (SD)	1.66096	0.86	0.98070
Coefficient of variation	1.64693	0.17	0.09924

Calibration Status	Calibrated	Calibrated	Calibrated
--------------------	------------	------------	------------

*J. Pandeyane*

# Ashuma Diagnostic Solutions OPC Pvt Ltd.

## Variable volume Micropipette Calibration Report

Laboratory Name: Kamal Diagnostics LLP

Pipette Sr. No. YE213A5018211 Calibration Date 27.03.2023  
2

Pipette Make Microlab Recalibration Date 26.03.2024  
4

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	0.0047	0.0196	0.0499
3	0.0052	0.0198	0.0499
4	0.0049	0.0200	0.0501
5	0.0048	0.0196	0.0499
6	0.0050	0.0195	0.0500
7	0.0047	0.0197	0.0501
8	0.0048	0.0203	0.0500
9	0.0047	0.0196	0.0499
10	0.0048	0.0201	0.0500
Mean (g)	0.00487	0.01992	0.04998
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	0.00489	0.02	0.05016
Volume dispensed in µl	4.888	19.992	50.160
Precision in % (SD)	0.00018	0.00	0.00008
Coefficient of variation	0.00362	0.00	0.00016

*K. Dandargane*

Calibration Status	Calibrated	Calibrated	Calibrated
--------------------	------------	------------	------------