

# MK BEST CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY AS PER ISO/IEC 17025 : 2017

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CC-3340

## CERTIFICATE OF CALIBRATION

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ULR No	CC334023000007814F	Date of Calibration	21.09.2023	Date of Receipt	21.09.2023
Certificate No	MKBL/23/09/0870-002	Due Date of Calibration	20.09.2024	Date of Issue	23.09.2023

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S. SUGAM CLINICAL LAB., NO 166/4, HOSPITAL ROAD, VILLUPURAM	Description	MICROPIPETTE 2
	Make / Model	AUTO / 21403094
	Range/Resolution	20 to 200 µl / 1 µl
	Serial No	VV100
	Identification No	SCL/CB/GEN/03
	Location	---
	Calibrated at	LAB

### STANDARD INSTRUMENTS DETAILS (The Standards Used are Traceable to National /International Standards)

S.No	Description	Id.No/SL No	Certificate No	Validity
01	ELECTRONIC SEMI MICRO BALANCE	MK/CAL-96/477904	TVCSPL 23/07/638-01	20.07.2024
02	DIGITAL BAROMETER	MK/CAL-143	CC287922000005116F	12.10.2023
03	DIGITAL PEN TYPE THERMOMETER	MK/CAL-160	CRMTL/01/423101578-A4	03.07.2024

ENVIRONMENTAL & DUC CONDITIONS		REFERENCE STANDARD	
Temperature	23.6 °C	Reference Std	ISO 8655-6:2002
Humidity	54 % RH	Procedure No	MKBCS - MBV - 03
Condition of UIC Receipt	Good		

### CALIBRATION RESULTS

#### I.VOLUME CALIBRATION

S.No	UIC Reading (Mean) µl	STD Reading (Mean) µl	Deviation µl	Expanded Uncertainty (±) µl
1	200	200.00	0.00	1.18
2	400	400.01	-0.01	1.18
3	600	600.01	-0.01	1.18
4	800	800.03	-0.03	1.18
5	1000	1000.05	-0.05	1.18

#### Remarks :

- The Expanded Uncertainty Associated with the Results is Calculated at a Confidence Level of Approximately 95% with a Coverage factor of K=2
- The Calibration Certificate Shall not be Reproduced Except In Full, Without Written Approval Of The Laboratory.
- The Recalibration Interval Should be Determined on the User Requirement.
- The Results Stated In This Certificate Relate Only to the Item Calibrated.
- The User Should Determine The Suitability Of The Instrument For Its Intended Use.
- Resulted Volume Convert at 27°C of Water Temperature
- Expanded Uncertainty is also Included Correction Factors

Calibrated by

S. Chandrabose  
(Calibration Engineer)



Authorised By

L. Magesh  
(MD/QM)