

MK BEST CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY AS PER ISO/IEC17025 : 2017



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CC-3340

CERTIFICATE OF CALIBRATION

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ULR No	CC334023000008206F	Date of Calibration	31.10.2023	Date of Receipt	31.10.2023
Certificate No	MKBL/23/10/0941-001	Due Date of Calibration	30.10.2024	Date of Issue	02.11.2023

CUSTOMER INFORMATION	DETAILS OF UNIT UNDER CALIBRATION	
M/S. VJA LABORATORY., THIRUKOILUR MAIN ROAD, NEAR VADAKURUMBUR ROAD, ERAIYUR, VILLUPURAM - 605 602.	Description	MICROPIPETTE 1
	Make / Model	VERTEX / 190970676
	Range/Resolution	100 to 1000 µl / 5 µl
	Serial No	VV 1000
	Identification No	VJA/CB/GEN/02
	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	TVCSP/23/07/638-01	20.07.2024
02	DIGITAL BAROMETER	MK/CAL-143	CC287923000005505F	04.10.2024
03	DIGITAL PEN TYPE THERMOMETER	MK/CAL-160	CRMTL/01/423101578-A4	03.07.2024

ENVIRONMENTAL & DUC CONDITIONS		REFERENCE STANDARD	
Temperature	23.7 °C	Reference Std	ISO 8655-6:2002
Humidity	56 % RH	Procedure No	MKBCS - MBV - 03
Condition of UUC Receipt	Good		

CALIBRATION RESULTS

I.VOLUME CALIBRATION

S.No	UUC Reading (Mean)	STD Reading (Mean)	Deviation	Expanded Uncertainty
	µl	µl	µl	(±) µl
1	200	200.00	0.00	7.29
2	400	400.00	0.00	7.29
3	600	600.05	-0.05	7.29
4	800	800.10	-0.10	7.29
5	1000	1000.15	-0.15	7.29

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
S.Chandrabose
(Calibration Engineer)



Authorised By

L. Magesh
L.Magesh
(MD/QM)