



CC-2725



# CERTIFICATE OF CALIBRATION

Certificate No : CC-24-25-L-133/01

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Customer Name & Address M/s. Vishnu Clinical Lab, #Rasipuram, Main Road, Vaiyappamalai.	ULR No.	CC27252400001979P
	SRF No.	VCI-24-25-L-133
	Date of Receipt	10.05.2024
	Date of Calibration	10.05.2024
	Due Date for Calibration	09.05.2025
	Date of Issue	11.05.2024

### Details of Unit Under Calibration

Description	Micro Pipette	Make	MERIL
Range	5-50 µl	Model	--
Resolution	0.5 µl	Material	pvc
Serial Number	325178	Operating Range	10-50 µl
ID Number	VL/LAB/VMP/001	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	--

Environmental Condition			Calibration Method Used		
Temperature (°C)	23.9	Humidity (%RH)	51	National / International Standard	ISO 8655-6
Atmospheric Pressure (mbar)	1003	Water Temperature (°C)	21.8	Cal Procedure No	VCI-L03-WI-MASS-003

### Standard Used

Sl. No.	Description	ID.No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-SMB-067	CC-23-24-S-296/01	Radwag/AS 82/220.R2.PLUS	Venus Calibration CC-2725	27.06.2024

Z Factor: 1.00319

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		10.08	10.15	10.10	10.13	10.09				
1	10	10.08	10.15	10.10	10.13	10.09	10.12	0.12	0.03	0.20
		10.12	10.16	10.11	10.14	10.08				
2	25	25.27	25.21	25.28	25.19	25.15	25.22	0.22	0.04	0.20
		25.18	25.19	25.22	25.23	25.27				
3	50	49.23	49.24	49.28	49.36	49.27	49.26	-0.74	0.08	0.20
		49.11	49.22	49.34	49.35	49.24				

### Note: Conformity Statement

Pass:

Fail:

### Remarks

- UUC is Defined as the Unit Under Calibration.
- The Measurement uncertainty is expressed at 95.45% confidence level with coverage factor  $k=2$ .
- This Calibration Certificate relates only to the above UUC & Reported results are valid at the time of and under the stated conditions of measurements.
- Calibration of the UUC are traceable to National / International Standards.
- This report shall not be reproduced in full/ part without prior permission of Venus Calibration and Instruments.
- The recalibration interval shall be determined on the user requirements.
- Nabl-133 guidelines are adopted for use of NABL symbol.
- Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.
- Our Nabl Scope is Upto 10µl to 10ml.
- The Deviation is within MPE. So after calibration is not required.

Checked & Issued by:

R.B.

R.Bhuvaneshwari

(Engineer - Calibration)



Authorised by:

C.Dhinakaran

(Technical/Quality Manager)

\*\*\*\*\*END OF THE CERTIFICATE\*\*\*\*\*