



CC-2725



# CERTIFICATE OF CALIBRATION

Certificate No: CC-24-25-L-072/02

Page No: 1 of 1

Customer Name & Address  M/s. Micro Health Laboratories Near Kannankandy E-Store, Mananthavady, Wayanad, Kerala - 670 645.	ULR No.	CC27252400001213F
	SRF No.	VCI-24-25-L-072
	Date of Receipt	27.02.2024
	Date of Calibration	27.02.2024
	Due Date for Calibration	26.02.2025
	Date of Issue	28.02.2024

### Details of Unit Under Calibration

Description	Micro Pipette	Make	Agappe
Range	2-20µl	Model	Mispa-i
Resolution	0.01µl	Material	pvc
Serial Number	PW07580	Operating Range	10-20µl
ID Number	MHL/C/08	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	--

Environmental Condition				Calibration Method Used	
Temperature (°C)	23±2	Humidity (%RH)	55±15	National / International Standard	ISO 8655-6
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.4	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

Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	10	10.06	10.08	10.14	10.18	10.10	10.11	0.11	0.04	0.20	
		10.05	10.11	10.16	10.10	10.10					
2	15	15.24	15.28	15.33	15.37	15.42	15.35	0.35	0.07	0.20	
		15.26	15.32	15.35	15.43	15.46					
3	20	20.45	20.51	20.56	20.63	20.66	20.57	0.57	0.08	0.20	
		20.48	20.55	20.57	20.64	20.67					

### 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:

P.Renuka

(Engineer - Calibration)



Authorised by:

C.Dhinakaran

(Technical/Quality Manager)

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

No.16, 6th Street, Annai Sathya Nagar, Poothapedu Ramapuram, Chennai - 89.

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