



CC-2725

**CERTIFICATE OF CALIBRATION**

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<b>Customer Name &amp; Address</b> <b>M/s. VINAYAK DIAGNOSTIC CENTRE</b> No: 7, Jambulingam Street, Nungambakkam, Chennai - 600 034.	<b>ULR No.</b>	CC27252200006261P
	<b>SRF No.</b>	VCI-22-23-L-387
	<b>Date of Receipt</b>	17.08.2022
	<b>Date of Calibration</b>	17.08.2022
	<b>Due Date for Calibration</b>	16.08.2023
	<b>Date of Issue</b>	18.08.2022

**Details of Unit under Calibration**

<b>Description</b>	Micro Pipette	<b>Make</b>	Dragon Lab
<b>Range</b>	5-50µl	<b>Model</b>	-
<b>Resolution</b>	0.5 µl	<b>Material</b>	pvc
<b>Serial Number</b>	YE218AV0002640	<b>Operating Range</b>	10-50µl
<b>ID Number</b>	-	<b>Condition of UUC</b>	Good
<b>Cal. At</b>	Mechanical Lab	<b>Instrument Location</b>	-

Environmental Condition				Calibration Method Used	
Temperature (°C)	23±2	Humidity (%RH)	55±15	National / International Standard	ISO 8655-6:2002, ISO 8655-2:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	VCI-L03-WI-MASS-003

**Standard Used**

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	VCI-M-WB-017 / 55492	CC-21-22-S-994/01	Wensar / MAB 250	National Standards	14.10.2022

Z Factor: 1.00319

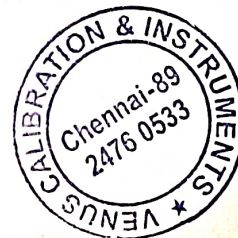
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		1	10	10.05	10.09	10.15				
		10.07	10.13	10.17	10.23	10.27				
2	25	25.29	25.35	25.39	25.45	25.49	25.41	0.41	0.08	0.20
		25.32	25.37	25.42	25.47	25.53				
3	50	50.57	50.62	50.67	50.72	50.73	50.68	0.68	0.07	0.20
		50.59	50.65	50.69	50.75	50.77				

**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:**M. Manju  
M. Manju

(Engineer - Calibration)



Authorised by:

C. Dhinakaran

(Technical/Quality Manager)

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