



CC-2725

**CERTIFICATE OF CALIBRATION**

Certificate No: CC-22-23-L-405/02

Page No: 1 of 1

Customer Name & Address M/s. VINAYAK DIAGNOSTIC CENTRE No: 7, Jambullingham Street, Nungambakkam, Chennai - 600 034.	ULR No.	CC27252200006512F
	SRF No.	VCI-22-23-L-405
	Date of Receipt	25.08.2022
	Date of Calibration	25.08.2022
	Due Date for Calibration	24.08.2023
	Date of Issue	25.08.2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	MISPA-I SERIES
Range	20 - 200 µl	Model	-
Resolution	0.2 µl	Material	pvc
Serial Number	OW00347	Operating Range	20 - 200 µl
ID Number	-	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 8655-6:2002, 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	20	20.05	20.10	20.12	20.18	20.13	20.12	0.12	0.05	0.20	
		20.08	20.06	20.15	20.20	20.17					
2	100	100.23	100.29	100.25	100.30	100.35	100.29	0.29	0.05	0.20	
		100.25	100.23	100.27	100.32	100.38					
3	200	200.42	200.59	200.66	200.70	200.72	200.64	0.64	0.10	0.88	
		200.56	200.62	200.67	200.69	200.75					

Note: Conformity Statement

Pass: Fail:

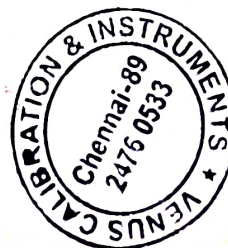
Remarks

- 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)

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

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