



CC-2725

**CERTIFICATE OF CALIBRATION**

Certificate No: CC-22-23-L-436/01

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Customer Name & Address M/s. MALAR DIAGNOSTICS NO. 3/129, A Pillayar Koil Street, K.R.R Complex, Kelambakkam - 603 103.	ULR No.	CC27252200007021F
	SRF No.	VCI-22-23-L-436
	Date of Receipt	06.09.2022
	Date of Calibration	06.09.2022
	Due Date for Calibration	05.09.2023
	Date of Issue	07.09.2022

## Details of Unit Under Calibration

Description	Micro Pipette	Make	Biohit Proline
Range	1000 µl	Model	-
Resolution	NA	Material	pvc
Serial Number	11083625	Operating Range	1000 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

## Result of Calibration in µl

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		1000.05	1000.09	1000.15	1000.19	1000.23				
1	1000	1000.05	1000.09	1000.15	1000.19	1000.23	1000.15	0.15	0.07	0.88
		1000.07	1000.12	1000.17	1000.21	1000.25				

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.

Checked &amp; Issued by:

M. Manju  
M.Manju

(Engineer - Calibration)



Authorised by:

C.Dhinakaran

(Technical / Quality Manager)