



CC-2725

**CERTIFICATE OF CALIBRATION**

Certificate No: CC-21-22-L-830/02

Page No: 1 of 1

Customer Name & Address M/s. MEDLINE DIAGNOSTICS (PVT) LTD. No:234, Thennur High Road, Trichy - 620 017.	ULR No.	CC272521000012159F
	SRF No.	VCI-21-22-L-830
	Date of Receipt	17.12.2021
	Date of Calibration	17.12.2021
	Due Date for Calibration	16.12.2022
	Date of Issue	18.12.2021

Details of Unit Under Calibration

Description	Micro Pipette	Make	Thermoscientific
Range	20 - 200µl	Model	Finnpipette F3
Resolution	0.2 µl	Material	pvc
Serial Number	RW15747	Operating Range	20 - 200µl
ID Number	MLD/TRY/MOLBIO/EVP/20	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)	21.4	Cal Procedure No	VCI-L03-WI-MASS-003

Standard Used

SI. No.	Description	ID.No. / SI. 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	19.95	19.99	19.86	19.96	19.87	19.90	-0.10	0.06	0.20	
		19.97	19.88	19.85	19.84	19.84					
2	100	99.75	99.71	99.65	99.78	99.66	99.71	-0.29	0.04	0.20	
		99.74	99.73	99.67	99.69	99.72					
3	200	200.05	200.09	200.13	200.17	200.21	200.14	0.14	0.06	0.88	
		200.07	200.11	200.15	200.19	200.23					

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

(Engineer - Calibration)



Authorised by:


C.Dhinakaran

(Technical/Quality Manager)

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

Ph: +91 44 2476 0533 /0633, Mob: 90031 20649, 9789893643, 8807402558

e: venuscallab@gmail.com, info@venuscal.com | www.venuscal.com