

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/14981

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Customer Name & Address

GOVERNMENT UPGRADED PRIMARY HEALTH CENTRE,
VILATHIKULAM BLOCK, KULATHUR-628903,
THOOTHUKUDI DISTRICT.

SRF No.	SRF/22/00347-0020
SRF Date	27-12-2022
Date of Receipt	27-12-2022
Date of Calibration	27-12-2022
Due Date for Calibration	26-12-2023
Issue Date	27-12-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMOSCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	1 µl	Material	PVC
Serial Number	RW09959	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

Environmental Condition

Calibration Method Used

Temperature (°C)	23.9	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/08

Standard Used

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

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	9.96	9.94	9.93	9.95	9.94	9.93	-0.07	0.02	0.47	
		9.93	9.92	9.90	9.92	9.94					
2	50	49.92	49.88	49.80	49.84	49.87	49.85	-0.15	0.04	0.47	
		49.86	49.85	49.87	49.82	49.80					
3	100	99.82	99.80	99.79	99.76	99.78	99.80	-0.20	0.03	0.47	
		99.80	99.81	99.88	99.80	99.79					

Remarks

- 1 This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2 The user should determine the suitability of the instrument for its intended use.
- 3 The recalibration interval should be determined on the user requirement.
- 4 The results stated in this certificate relate only to the item calibrated.
- 5 Equipment used for Calibration were calibrated & traceable to National & International Standards
- 6 The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00 .
7. Calibration Liquid Used: Distilled or Deionised water conforming Grade3 as specified in ISO 3696.

Calibrated By,

P Myilsamy
(Calibration Engineer)
P.MYILSAMY



Authorised by:

D Vetri Selvi
(Quality Manager/Chief Executive)
D.VETRI SELVI