

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/14982

Page No: 1 of 1

**Customer Name & Address**

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

SRF No.	SRF/22/00347-0021
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	100-1000µl	Model	FINNPIPETTE F3
Resolution	5 µl	Material	PVC
Serial Number	RW13278	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**

Sl. No.	Description	ID.No. / Sl. 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	100	99.96	99.98	99.96	99.97	99.98	99.96	-0.04	0.02	0.47
		99.94	99.93	99.95	99.96	99.97				
2	500	49.92	49.91	49.92	49.91	49.91	49.90	-450.10	0.02	0.47
		49.89	49.88	49.87	49.90	49.88				
3	1000	999.80	999.79	999.78	999.81	999.83	999.78	-0.22	0.04	0.47
		999.81	999.76	999.74	999.73	999.72				

**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,

*(Signature)*  
(Calibration Engineer)  
P.MYILSAMY



Authorised by:

*(Signature)*  
(Quality Manager/Chief Executive)  
D.VETRI SELVI