



CALIBRATION CERTIFICATE

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Certificate No: SBS/CL/23/10073

Customer Name & Address

GOVERNMENT URBAN PRIMARY HEALTH CENTRE,
EMANESWARAM-623701, PARAMAKUDI DISTRICT.

SRF No.	SRF/23/K005-0031
SRF Date	11-08-2023
Date of Receipt	11-08-2023
Date of Calibration	11-08-2023
Due Date for Calibration	10-08-2024
Issue Date	11-08-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100 μ l	Model	FINNPIPETTE F3
Resolution	0.2 μ l	Material	PVC
Serial Number	RW09967	Operating Range	10-100 μ l
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

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 Weighing Balance	15112918	TVCSP/22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in μ l

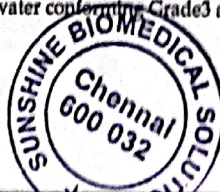
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (z)
1	10.0	9.87	9.86	9.87	9.86	9.87	9.86	-0.14	0.01	0.47
		9.86	9.82	9.86	9.87	9.86				
2	50.0	49.46	49.47	49.48	49.47	49.46	49.48	-0.52	0.01	0.47
		49.47	49.48	49.48	49.49	49.49				
3	100.0	99.37	99.38	99.39	99.31	99.40	99.40	-0.60	0.04	0.47
		99.42	99.42	99.44	99.44	99.45				

Remarks

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

Calibrated By,

M.RAGUL
(Calibration Engineer)
M.RAGUL



Authorised by:

D.VETRI SELVI
Quality Manager/Chief Executive
D.VETRI SELVI