



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/01619

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Customer Name & Address

GOVERNMENT URBAN PRIMARY HEALTH CENTRE,
THORAPADI-632002,VELLORE DISTRICT.

SRF No.	SRF/23/00049-0014
SRF Date	08-02-2023
Date of Receipt	08-02-2023
Date of Calibration	08-02-2023
Due Date for Calibration	07-02-2024
Issue Date	08-02-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09999	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.2	Humidity (%RH)	52	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. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSPL22/12/2115-01	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	9.93	9.94	9.93	9.94	9.93	9.94	-0.06	0.01	0.47
		9.94	9.95	9.94	9.95	9.94				
2	50	49.80	49.81	49.80	49.81	49.80	49.83	-0.17	0.03	0.47
		49.85	49.86	49.87	49.86	49.85				
3	100	99.90	99.91	99.90	99.91	99.90	99.93	-0.07	0.03	0.47
		99.96	99.97	99.96	99.97	99.96				

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 Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By,


 (Calibration Engineer)
 C.SIVABALAN

Authorised by:


 (Quality Manager/Chief Executive)
 D.VETRI SELVI

