



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/01651

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
MELARAMANATHI-623603, RAMANATHAPURAM DISTRICT.

SRF No.	SRF/23/00050-0020
SRF Date	07-02-2023
Date of Receipt	07-02-2023
Date of Calibration	07-02-2023
Due Date for Calibration	06-02-2024
Issue Date	08-02-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1 µl	Material	PVC
Serial Number	RW13121	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. / 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	100	99.83	99.82	99.83	99.82	99.83	99.82	-0.18	0.01	0.47
		99.81	99.83	99.81	99.83	99.81				
2	500	499.96	499.97	499.96	499.97	499.96	499.94	-0.06	0.02	0.47
		499.92	499.93	499.92	499.93	499.92				
3	1000	999.86	999.87	999.86	999.86	999.87	999.90	-0.10	0.04	0.47
		999.94	999.95	999.94	999.95	999.94				

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,

(Calibration Engineer)
 R.YAZINIYAN

Authorised by:

(Quality Manager/Chief Executive)
 D.VETRI SELVI

