

## CALIBRATION CERTIFICATE

Certificate No: SBS/CS/22/100

Page No: 1 of 1

Customer Name &amp; Address

 GOVERNMENT PRIMARY HEALTH CENTRE,  
 PODUVALASAI-623522, RAMNAD DISTRICT.

SRF No.	SRF/22/00192-0029
SRF Date	20-12-2022
Date of Receipt	20-12-2022
Date of Calibration	20-12-2022
Due Date For Calibration	19-12-2023
Issue Date	21-12-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	QW13637	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 9005-6:2022
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/ML/09

Standard Used

S.No.	Description	ID.No./ SL.No.	Certificate No.	Make/Model	Traceability	Valid Till
1	Electronic semi Micro Balance	15112918	TVCSP/22/12/2115-01	A&D & G1-252	National Standards	12-11-2023

CALIBRATION RESULTS

Z Factor: 1.00319


Result of Calibration in µl

Sl. No.	Nominal Value	Observed Reading					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.86	99.82	99.84	99.86	99.84	99.85	-0.15	0.01	0.47
		99.86	99.84	99.86	99.85	99.84				
2	500	499.8	499.81	499.80	499.81	499.80	499.84	-0.17	0.03	0.47
		499.87	499.86	499.87	499.86	499.87				
3	1000	999.90	999.91	999.90	999.91	999.90	999.91	-0.09	0.01	0.47
		999.92	999.93	999.92	999.93	999.91				

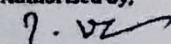
Remarks

- 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.
- Equipment used for Calibration were calibrated & traceable to National & International Standards

Calibrated by,

  
 (Calibration Engineer)  
 M. HALALI

Authorised by,

  
 (Quality Manager/Chief Executive)  
 D.VETRI SELVI
