

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/14936

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE, UCHIPULI-623534, RAMNAD DISTRICT.	SRF No.	SRF/22/00144-0006
	SRF Date	28-12-2022
	Date of Receipt	28-12-2022
	Date of Calibration	28-12-2022
	Due Date For Calibration	27-12-2023
	Issue Date	29-12-2022

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	PW03379	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 8655-6:2022
Atmospheric Pressure (mbar)	1006	Water Temperature(°C)	21.6	Cal Procedure No	SBS/CP/ML/08

**Standard Used**

S.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	12-12-2023

**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	10.0	10.11	10.12	10.11	10.11	10.12	10.13	0.13	0.04	0.47	
		10.09	10.12	10.13	10.14	10.23					
2	50.0	50.19	50.16	50.18	50.18	50.19	50.24	0.24	0.19	0.47	
		50.17	50.16	50.78	50.2	50.17					
3	100.0	99.87	99.86	99.87	99.86	99.87	99.89	-0.11	0.04	0.47	
		99.95	99.96	99.93	99.86	99.87					

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

Calibrated By,

  
 (Calibration Engineer)  
 M.BALAJI



Authorised by,

  
 (Quality Manager/Chief Executive)  
 D.VETRI SELVI