

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/05411

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**Customer Name & Address**

GOVERNMENT URBAN PRIMARY HEALTH CENTER, CHINNA KANCHIPURAM, KANCHIPURAM-631501.	SRF No.	SRF/23/00177-0016
	SRF Date	04-05-2023
	Date of Receipt	04-05-2023
	Date of Calibration	04-05-2023
	Due Date for Calibration	03-05-2024
	Issue Date	04-05-2023

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	QW02444	Operating Range	
ID Number		Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	

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**

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Semi Micro Balance	15112918	TVCSP1.22/12/2115-01	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	99.92	99.94	99.93	99.96	99.95	99.95	-0.05	0.02	0.47
		99.94	99.96	99.95	99.97	99.98				
2	500	499.84	499.86	499.87	499.85	499.88	499.87	-0.13	0.02	0.47
		499.86	499.88	499.85	499.87	499.89				
3	1000	999.75	999.77	999.78	999.78	999.76	999.77	-0.23	0.01	0.47
		999.78	999.76	999.79	999.76	999.75				

**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,

*R. Yazan*  
 (Calibration Engineer)  
 R.YAZINIYAN



Authorised by:

*D.Vetri Selvi*  
 (Quality Manager/Chief Executive)  
 D.VETRI SELVI