



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/17093

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,  
UPPILIYAPURAM-621011, TRICHY DISTRICT.

SRF No.	SRF/23/01010-0004
SRF Date	01-11-2023
Date of Receipt	01-11-2023
Date of Calibration	01-11-2023
Due Date for Calibration	31-10-2024
Issue Date	02-11-2023

**Details of Unit Under Calibration**

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

**Environmental Condition**

**Calibration Method Used**

Temperature (°C)	22.9	Humidity (%RH)	53	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. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing 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	100	99.95	99.97	99.96	99.90	99.95	99.94	-0.06	0.03	0.47
		99.90	99.95	99.99	99.92	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.93	-0.07	0.03	0.47
		499.95	499.97	499.94	499.91	499.90				
3	1000	999.91	999.94	999.92	999.95	999.90	999.93	-0.07	0.03	0.47
		999.95	999.90	999.98	999.90	999.95				

**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,

*M. Ragul*  
(Calibration Engineer)  
M.RAGUL



Authorised by:

*C. Sivabalan*  
(Quality Manager/Chief Executive)  
C.SIVABALAN