

CALIBRATION CERTIFICATE

Certificate No: SBS/CI/2313661

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE
THITTACHERI-609703, NAGAPATTINAM DISTRICT.

SRF No.	SRF/23/00791-0003
SRF Date	06-10-2023
Date of Receipt	05-10-2023
Date of Calibration	06-10-2023
Due Date for Calibration	05-10-2024
Issue Date	07-10-2023

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

Temperature (°C)	23.9	Humidity (%RH)	55	Calibration Method Used	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6			SBS/CI/M/L/08

Standard Used

Sl. No.	Description	ID No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSR/22/12115-01	A&D & GH-252	National Standards	09-12-2023

Result of Calibration in µl

Sl. No.	Nominal Value	Observed Readings			Mean Value	Systematic Error	Random Error	Measurement Uncertainty (k)
		1	2	3				
1	100	99.85	99.87	99.85	99.89	-0.11	0.04	0.47
		99.89	99.95	99.90				
		99.87	99.87	99.90				
2	500	499.90	499.95	499.90	499.90	-0.10	0.03	0.47
		499.89	499.88	499.85				
		499.89	499.88	499.89				
3	1000	999.93	999.90	999.91	999.91	-0.09	0.03	0.47
		999.90	999.94	999.95				
		999.93	999.90	999.94				

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. Prabhakaran
(Calibration Engineer)
MADRAS



Authorized by:

S. Divya
(Quality Manager/Chief Executive)
SIVABALAN