



CALIBRATION CERTIFICATE

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Certificate No: SBS/CL/23/12512

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
ESWARACHETTIPALAYAM-638702, TIRUPPUR DISTRICT.

SRF No.	SRF/23/00453-0005
SRF Date	30-09-2023
Date of Receipt	28-09-2023
Date of Calibration	30-09-2023
Due Date for Calibration	29-09-2024
Issue Date	30-09-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09721	Operating Range	10-100µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

Environmental Condition

Calibration Method Used

Temperature (°C)	23.7	Humidity (%RH)	54	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 Weighing Balance	15112918	TVCSP/22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor 1.00319

Result of Calibration in µl

SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (s)
		1	2	3	4	5				
1	10.0	9.86	9.87	9.88	9.89	9.87	9.87	-0.13	0.01	0.47
		9.85	9.86	9.87	9.88	9.87				
2	50.0	49.85	49.82	49.83	49.82	49.81	49.84	-0.16	0.02	0.47
		49.85	49.86	49.87	49.85	49.82				
3	100.0	99.86	99.87	99.86	99.85	99.84	99.87	-0.13	0.01	0.47
		99.86	99.87	99.88	99.89	99.87				

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.
- Calibration Liquid Used: Distilled or Deionized water containing Grade3 as specified in ISO 3696.

Calibrated By,

M. Madhiban
(Calibration Engineer)
MADHIBAN



Authorised by:

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

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