

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13653

Page. No: 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE, VADUGACHERY-611109,NAGAPATTINAM DISTRICT.	SRF No.	SRF/23/00789-0003
	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	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	NA	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)	23.9	Humidity (%RH)	55	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	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

**Z Factor: 1.00319**

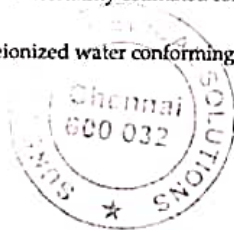
Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.91	9.92	9.90	9.92	9.93	9.92	-0.08	0.01	0.47
		9.92	9.93	9.92	9.93	9.91				
2	50.0	49.95	49.96	49.95	49.95	49.96	49.96	-0.04	0.01	0.47
		49.96	49.97	49.98	49.97	49.96				
3	100.0	99.89	99.88	99.89	99.87	99.88	99.87	-0.13	0.01	0.47
		99.88	99.87	99.85	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. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated By,

*M. Adhwan*  
(Calibration Engineer)  
MADHIBAN



Authorised by:

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