



# CALIBRATION CERTIFICATE

Certificate No: SBS-CL/23/10340

Customer Name & Address	SIBF No.
GOVERNMENT PRIMARY HEALTH CENTRE,	17-08-2023
(NORCA)-632114,VELLORE DISTRICT	Date
	Receipt Date
	16-08-2023
	Date of Calibration
	17-08-2023
	Due Date for Calibration
	24-08-2024
	Issue Date
	17-08-2023

Details of Unit Under Calibration	
Description	MICROPIPETTE
Range	10-100 µl
Resolution	0.2 µl
Serial Number	QW10338
ID Number	NA
Cal. At	Mechanical Lab
Make	THERMO SCIENTIFIC
Model	FENNIPETTE FJ
Material	PVC
Operating Range	10-100 µl
Condition of UUC	Good
Instrument Location	LABORATORY

Calibration Method Used

Temperature (°C)	23.9	Humidity (%RH)	57	National / International Standard	ISO 9005-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS-CF/ML/08

Standard Used

Sl. No.	Description	ID.No. / SI. 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 (u)
		1	2	3	4				
1	10.0	9.94	9.93	9.95	9.92	9.96	-0.06	0.02	0.47
		9.95	9.93	9.96	9.97	9.93			
2	50.0	49.83	49.84	49.82	49.85	49.86	-0.16	0.02	0.47
		49.81	49.82	49.84	49.86	49.85			
3	100.0	99.72	99.73	99.70	99.76	99.75	-0.27	0.02	0.47
		99.70	99.71	99.74	99.72	99.73			

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 inclusion 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 Grade) as specified in ISO 3496.

Calibrated By: *[Signature]*

(Calibration Engineer)  
K.SATHYAMOORTHY



Authorized by:  
Quality Manager/Chief Executive  
D.VETRI SELVI