

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/10343

Customer Name & Address

 GOVERNMENT PRIMARY HEALTH CENTRE,
 POIGAI-632114, VELLORE DISTRICT.

SRF No.	SRF/23/00316-0025
Date	17-08-2023
Receipt Date	16-08-2023
Date of Calibration	17-08-2023
Due Date for Calibration	16-08-2024
Issue Date	17-08-2023

Details of Unit Under Calibration

Description	MICROPIPETTE	Make	THERMO SCIENTIFIC
Range	10-100 µl	Model	FINNPIPETTE F3
Resolution	0.2 µl	Material	PVC
Serial Number	QW10338	Operating Range	10-100 µl
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)	57	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. / 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

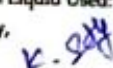
Z Factor: 1.00319
Result of Calibration in µl

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10.0	9.94	9.93	9.95	9.92	9.96	9.94	-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	49.84	-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	99.73	-0.27	0.02	0.47
		99.70	99.71	99.74	99.72	99.73				


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 conforming Grade3 as specified in ISO 3696.

Calibrated By,


 (Calibration Engineer)
 K.SATHYAMOORTHY


Authorised by:


 (Quality Manager/Chief Executive)
 D.VETRI SELVI