



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/17095

Page No. 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
UPPILIYAPURAM-621011, TRICHY DISTRICT

SRF No.	SRF/23/01010-0006
SRF Date	01-11-2023
Date of Receipt	01-11-2023
Date of Calibration	01-11-2023
Due Date for Calibration	31-10-2024
Issue Date	02-11-2023

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

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GII-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 (±)	
1	10.0	9.75	9.74	9.75	9.76	9.77	9.74	0.26	0.02	0.47	
		9.70	9.71	9.73	9.74	9.76					
2	50.0	49.86	49.84	49.86	49.82	49.85	49.85	-0.15	0.02	0.47	
		49.80	49.85	49.86	49.84	49.87					
3	100.0	99.89	99.88	99.87	99.86	99.87	99.87	-0.13	0.01	0.47	
		99.89	99.85	99.86	99.87	99.86					

Remarks

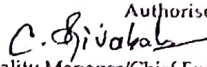
- This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory
- The user should determine the suitability of the instrument for its intended use.
- The recalibration interval should be determined on the user requirement.
- The results stated in this 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)
 M.RAGUL



Authorised by:


 (Quality Manager/Chief Executive)
 C.SIVABALAN



CALIBRATION CERTIFICATE

Certificate No: SBS/CI/23/17093

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, UPPILIYAPURAM-621011, TRICHI DISTRICT.	SRF No.	SRF/23/01010-0004
	SRF Date	01-11-2023
	Date of Receipt	01-11-2023
	Date of Calibration	01-11-2023
	Due Date for Calibration	31-10-2024
	Issue Date	02-11-2023

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				Calibration Method Used	
Temperature (°C)	22.9	Humidity (%RH)	53	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SBS/CP/MI/08

Standard Used

Sl. No.	Description	ID.No. / Sl. 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

Result of Calibration in µl

Z Factor: 1.00319

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.95	99.97	99.96	99.90	99.95	99.94	-0.06	0.03	0.47
		99.90	99.95	99.99	99.92	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.93	-0.07	0.03	0.47
		499.95	499.97	499.94	499.91	499.90				
3	1000	999.91	999.94	999.92	999.95	999.90	999.93	-0.07	0.03	0.47
		999.95	999.90	999.98	999.90	999.95				

Remarks

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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:

(Signature)
 (Calibration Engineer)
 M.RAGU



Authorised by:
(Signature)
 (Quality Manager/Chief Executive)
 C.SIVABALAN



CALIBRATION CERTIFICATE

Page No: 1 of 1

Certificate No: SBS/CL/23/17094

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,
UPPILYAPURAM-621011, TRICHY DISTRICT.

SRF No.	SRF/23/01010-0005
SRF Date	01-11-2023
Date of Receipt	01-11-2023
Date of Calibration	01-11-2023
Due Date for Calibration	31-10-2024
Issue Date	02-11-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	500 μ l	Model	FINN PIPETTE F3
Resolution	FIXED	Material	PVC
Serial Number	NA	Operating Range	500 μ l
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)	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	TVCSPL22/12/2115-01	A&D & GH 252	National Standards	09-12-2023

Z Factor: 1.00319


Result of Calibration in μ l

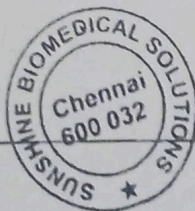
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (\pm)
1	500	499.95	499.97	499.96	499.94	499.95	499.94	0.07	0.03	0.47
		499.90	499.95	499.90	499.93	499.90				

Remarks

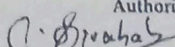
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