

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12169

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT URBAN HEALTH CENTRE, BHARATHIYAR PARK,PARAMAKUDI-623707.	SRF No.	SRF/23/00436-0005
	SRF Date	30-09-2023
	Date of Receipt	29-09-2023
	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	RW10226	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 & 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	9.90	9.92	9.88	9.91	9.92	9.91	-0.09	0.01	0.47	
		9.91	9.92	9.93	9.92	9.90					
2	50.0	49.78	49.76	49.74	49.72	49.74	49.74	-0.26	0.02	0.47	
		49.76	49.75	49.73	49.72	49.71					
3	100.0	98.92	98.94	98.94	98.96	98.92	98.93	-1.07	0.02	0.47	
		98.91	98.93	98.94	98.92	98.91					

Remarks

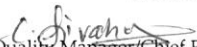
- 1.This Calibration certificate shall not be reproduced except in full, without written approval of the laboratory.
- 2.The user should determine the suitability of the instrument for its intended use.
- 3.The recalibration interval should be determined on the user requirement.
- 4.The results stated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


 (Calibration Engineer)
 M.ADHIBAN



Authorised by:


 (Quality Manager/Chief Executive)
 C.SIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

No:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087,
 E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12170

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Customer Name & Address

GOVERNMENT URBAN HEALTH CENTRE, BHARATHIYAR PARK,PARAMAKUDI-623707.	SRF No.	SRF/23/00436-0006
	SRF Date	30-09-2023
	Date of Receipt	29-09-2023
	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	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW13088	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)	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 & 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	100	99.92	99.94	99.91	99.90	99.92	99.92	-0.08	0.01	0.47
		99.94	99.93	99.92	99.91	99.92				
2	500	499.04	498.99	499.05	499.02	499.04	499.01	-0.99	0.03	0.47
		498.96	498.99	499.02	499.03	498.99				
3	1000	998.99	998.89	998.90	998.91	998.91	998.93	-1.07	0.03	0.47
		998.96	998.95	998.92	998.94	998.93				

Remarks

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