SUNSHINE

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/22/12936

Customer Name & Address

GOVERNMENT URBAN PRIMARY HEALTH CENTRE,
NELLIKUPPAM-6007105.

SRF No.	SRF/22/00284 & 0015
SRF Date	12-11-2022
Date of Receipt	12-11-2022
Date of Calibration	12-11-2022
Due Date for Calibration	11-11-2023
Issue Date	14-11-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMOSCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1 µl	Material	PVC
Serial Number	RW17040	Operating Range	
ID Number		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 Semi Micro Balance	15112918	TVCSPL21/12/1587-01	A&D & GH-252	National Standards	10-12-2022

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	99.86	99.87	99.86	99.87	99.86	99.89	-0.12	0.02	0.47
		99.91	99.90	99.91	99.90	99.91				
2	500	499.96	499.95	499.96	499.95	499.96	499.88	-0.12	0.08	0.47
		499.80	499.81	499.80	499.81	499.80				
3	1000	999.84	999.85	999.84	999.85	999.84	999.84	-0.16	0.01	0.47
		999.83	999.82	999.83	999.82	999.83				

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.

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Calibrated By,

(Calibration Engineer)
P.MYILSAMY

Authorised by:

(Quality Manager/Chief Executive)
D.VETRI SELVI