SUNSHINE

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/16859

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,

MUDHALIPALAYAM-641606,TIRUPPUR DISTRICT.

SRF No.	SRF/23/00495-0003
SRF Date	29-09-2023
Date of Receipt	28-09-2023
Date of Calibration	29-09-2023
Due Date for Calibration	28-09-2024
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	RW10980	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	9.94	9.97	9.94	9.96	9.93	9.95	-0.05	0.02	0.47
		9.98	9.95	9.92	9.97	9.96				
2	50.0	49.85	49.86	49.87	49.82	49.83	49.85	-0.15	0.02	0.47
		49.87	49.85	49.82	49.89	49.87				
3	100.0	99.94	99.97	99.96	99.95	99.98	99.95	-0.05	0.02	0.47
		99.93	99.95	99.97	99.94	99.95				

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 Grade 3 as specified in ISO 3696.

SUNSHINE BIOMEDICAL SOLUTIONS Chennai 600 032

Calibrated By,

(Calibration Engineer)
M.RAGUL

Authorised by:

(Quality Manager/Chief Executive)
C.SIVABALAN