



CALIBRATION CERTIFICATE

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Customer Name & Address		SRF No.	
GOVERNMENT PRIMARY HEALTH CENTRE(MURUKKERI BLOCK), ENDIYUR-604001,VILLUPURAM DISTRICT		SRF/23/00650-0004	
		SRF Date	
		05-10-2023	
		Date of Receipt	
		05-10-2023	
Date of Calibration		05-10-2023	
Due Date for Calibration		04-10-2024	
Issue Date		06-10-2023	

Details of Unit Under Calibration			
Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	10-100µl	Model	FINNPIPETTE F3
Resolution	0.2µl	Material	PVC
Serial Number	RW09033	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)	23.7	Humidity (%RH)	52	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	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	9.47	9.46	9.48	9.47	9.46	9.45	-0.55	0.02	0.47	
		9.42	9.43	9.43	9.44	9.45					
2	50.0	49.57	49.56	49.58	49.56	49.56	49.56	-0.44	0.01	0.47	
		49.54	49.56	49.57	49.56	49.54					
3	100.0	98.92	98.94	98.93	98.94	98.93	98.91	-1.09	0.02	0.47	
		98.91	98.92	98.89	98.88	98.88					

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)
 MADHIBAN



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.