

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/1325

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, ESANATHAM-639203,KARUR DISTRICT.	SRF No.	SRF/23/00745-0004
	SRF Date	07-10-2023
	Date of Receipt	06-10-2023
	Date of Calibration	07-10-2023
	Due Date for Calibration	06-10-2024
	Issue Date	07-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMO FISHER
Range	100-1000µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	QW10233	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

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

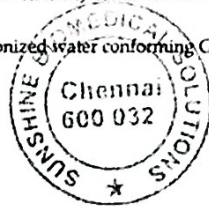
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	100.51	100.52	100.53	100.52	100.51	100.50	0.50	0.02	0.47	
		100.49	100.48	100.49	100.49	100.48					
2	500	500.40	500.42	500.43	500.44	500.46	500.43	0.43	0.02	0.47	
		500.45	500.44	500.43	500.42	500.41					
3	1000	1001.24	1001.26	1001.23	1001.22	1001.22	1001.22	1.22	0.03	0.47	
		1001.18	1001.17	1001.20	1001.24	1001.26					

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

SUNSHINE BIOMEDICAL SOLUTIONS

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