



CALIBRATION CERTIFICATE

Certificate No: SES/CL/23/1898		Page No: 1 of 1	
Customer Name & Address			
GOVERNMENT PRIMARY HEALTH CENTRE, KOOTHAHUNDY-600015, KALLAKURUCHI DISTRICT.		SRF No	SRF/23/1898/0001
		SRF Date	17-05-2023
		Date of Receipt	17-05-2023
		Date of Calibration	17-05-2023
		Due Date for Calibration	16-05-2024
		Issue Date	17-05-2023

Details of Unit Under Calibration			
Description	Macro Pipette	Make	TRIPMO SCIENTIFIC
Range	100-1000µl	Model	TRIPPIPETTE 73
Resolution	1µl	Material	PPC
Serial Number	NA	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)	23.6	Humidity (%RH)	54	National / International Standard	ISO 9001:2015
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SES/CP/008

Standard Used						
SL No.	Description	ID No. / SL No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	IVCSP/22/12/1115-01	A&D & G3-257	National Standards	09-12-2023

Z Factor: 1.00379

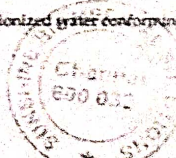
Result of Calibration in µl										
SL No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (%)
		1	100	100.51	100.52	100.53				
2	500	100.49	100.45	100.49	100.49	100.48	500.43	0.43	0.02	0.47
		500.40	500.42	500.43	500.44	500.46				
3	1000	1001.24	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

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) as specified in ISO 3696.

Calibrated By:

M. Arshad
(Calibration Engineer)
MADRIBAN



Authorized by:

S. Divya
(Quality Manager/Chief Executive)
CSIVABALAN

SUNSHINE BIOMEDICAL SOLUTIONS

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