

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13323

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Customer Name &amp; Address

 GOVERNMENT PRIMARY HEALTH CENTRE,  
 NACHIALUR-639110, KARUR DISTRICT

SRF No.	SRF/23/00722-0003
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	NA
Range	10-100 $\mu$ l	Model	NA
Resolution	0.2 $\mu$ l	Material	PVC
Serial Number	NA	Operating Range	10-100 $\mu$ l
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 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	15112 <sup>018</sup>	TVCSP1.22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

 Result of Calibration in  $\mu$ l

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty ( $\pm$ )
		9.96	9.95	9.98	9.96	9.97				
1	10.0	9.98	9.96	9.97	9.98	9.95	9.97	-0.03	0.01	0.47
		9.96	9.97	9.98	9.95	9.95				
2	50.0	49.86	49.85	49.87	49.86	49.85	49.91	-0.09	0.05	0.47
		49.95	49.96	49.97	49.95	49.95				
3	100.0	99.98	99.97	99.98	99.96	99.98	99.96	-0.04	0.01	0.47
		99.95	99.96	99.94	99.95	99.96				

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,

 M. Adhwanth  
 (Calibration Engineer)  
 MAHIBAN


Authorised by:

  
 (Quality Manager/Chief Executive)  
 C SIVABALAN

### SUNSHINE BIOMEDICAL SOLUTIONS

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