



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12771

Page. No : 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE(MAILAM BLOCK), MUPPULI-604302,VILLUPURAM DISTRICT.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SRF No.</td> <td>SRF/23/00603-0001</td> </tr> <tr> <td>SRF Date</td> <td>03-10-2023</td> </tr> <tr> <td>Date of Receipt</td> <td>03-10-2023</td> </tr> <tr> <td>Date of Calibration</td> <td>03-10-2023</td> </tr> <tr> <td>Due Date for Calibration</td> <td>02-10-2024</td> </tr> <tr> <td>Issue Date</td> <td>04-10-2023</td> </tr> </table>	SRF No.	SRF/23/00603-0001	SRF Date	03-10-2023	Date of Receipt	03-10-2023	Date of Calibration	03-10-2023	Due Date for Calibration	02-10-2024	Issue Date	04-10-2023
SRF No.	SRF/23/00603-0001												
SRF Date	03-10-2023												
Date of Receipt	03-10-2023												
Date of Calibration	03-10-2023												
Due Date for Calibration	02-10-2024												
Issue Date	04-10-2023												

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	NA
Range	1000µl	Model	VISION PLUS
Resolution	FIXED	Material	PVC
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)	23.5	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**

SI. No.	Description	ID.No. / SI. 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**

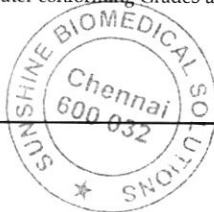
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	1000	999.96	999.97	999.98	999.96	999.95	999.96	-0.04	0.01	0.47	
		999.98	999.94	999.96	999.95	999.95					

**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 Grade3 as specified in ISO 3696.

Calibrated By,

  
 (Calibration Engineer)  
 M.ADHIBAN



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.



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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE(MAILAM BLOCK),  
MUPPULI-604302,VILLUPURAM DISTRICT.

SRF No.	SRF/23/00603-0002
SRF Date	03-10-2023
Date of Receipt	03-10-2023
Date of Calibration	03-10-2023
Due Date for Calibration	02-10-2024
Issue Date	04-10-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	RIGHT Q PLUS
Range	10-100µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	NA	Operating Range	10-100µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

**Environmental Condition**

Temperature (°C)	23.6	Humidity (%RH)	54
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6

**Calibration Method Used**

National / International Standard	ISO 8655-6:2002
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	TVCSP122/12/2115-01	A&D & GH-252	National Standards	09-12-2023

**Z Factor: 1.00319**

**Result of Calibration in µl**

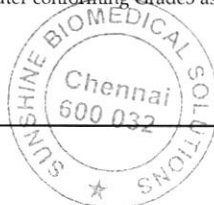
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.96	9.95	9.98	9.96	9.97	9.97	-0.03	0.01	0.47
		9.98	9.96	9.97	9.98	9.95				
2	50	49.86	49.85	49.87	49.86	49.85	49.91	-0.09	0.05	0.47
		49.95	49.96	49.97	49.95	49.95				
3	100	99.98	99.97	99.98	99.96	99.98	99.96	-0.04	0.01	0.47
		99.95	99.96	99.94	99.95	99.96				

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Calibrated By,

*M. Adhiban*  
(Calibration Engineer)  
M.ADhibAN



Authorised by:

*C. Sivabalan*  
(Quality Manager/Chief Executive)  
C.SIVABALAN

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