

## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13471

Page No: 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE, MANDAPAM, RAMANATHAPURAM DISTRICT.	SRF No. SRF Date Date of Receipt Date of Calibration Due Date for Calibration Issue Date	SRF/23/00756-0003 07-10-2023 06-10-2023 07-10-2023 06-10-2024 07-10-2023
---	---	---

**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	<b>Calibration Method Used</b>	
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	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	TVCSP22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

**Z Factor: 1.00319**

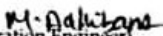
**Result of Calibration in µl**

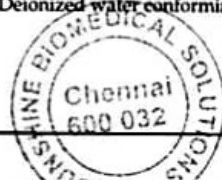
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.96	9.95	9.98	9.96	9.97	9.97	-0.03	0.01	0.47
		9.98	9.96	9.97	9.98	9.95				
2	50	49.86	49.85	49.87	49.86	49.85	49.91	-0.09	0.05	0.47
		49.95	49.96	49.97	49.95	49.95				
3	100	99.98	99.97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

**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



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13470

Page No: 1 of 1

**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE,  
MANDAPAM, RAMANATHAPURAM DISTRICT.

SRF No.	SRF/23/00756-0002
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	RIGHT Q PLUS
Range	1000µl	Model	NA
Resolution	FIXED	Material	PVC
Serial Number	NA	Operating Range	1000µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

**Environmental Condition**

Temperature (°C)	23.5	Humidity (%RH)	52
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**

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

**Result of Calibration in µl**

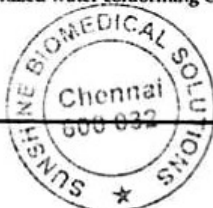
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		999.96	999.97	999.98	999.96	999.95				
3	1000	999.96	999.97	999.98	999.96	999.95	999.96	-0.04	0.01	0.47
		999.98	999.94	999.96	999.95	999.95				

**Remarks**

- 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. Poluban*  
(Calibration Engineer)  
MADHIBAN



Authorised by:

*C. Sivabalan*  
(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.