



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11788

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, ANUKKUR-621219.	SRF No. SRF Date Date of Receipt Date of Calibration Due Date for Calibration Issue Date	SRF/23/00418-0001 26-09-2023 25-09-2023 26-09-2023 25-09-2024 27-09-2023
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Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	DIAPET
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				Calibration Method Used	
Temperature (°C)	23.8	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

SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP12/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

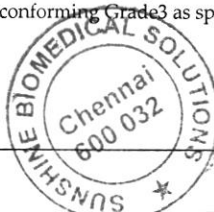
Result of Calibration in µl										
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.92	9.94	9.96	9.95	9.94	9.94	-0.06	0.02	0.47
		9.94	9.95	9.92	9.91	9.94				
2	50	49.88	49.89	49.91	49.89	49.92	49.90	-0.10	0.01	0.47
		49.90	49.92	49.90	49.89	49.91				
3	100	99.82	99.84	99.86	99.85	99.83	99.85	-0.15	0.02	0.47
		99.84	99.86	99.85	99.84	99.87				

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.



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/11789

Page. No : 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, ANUKKUR-621219.	SRF No.	SRF/23/00418-0002
	SRF Date	26-09-2023
	Date of Receipt	25-09-2023
	Date of Calibration	26-09-2023
	Due Date for Calibration	25-09-2024
	Issue Date	27-09-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	DIAPET
Range	100-1000µl	Model	NA
Resolution	10µl	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)	23.4	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

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											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.91	99.93	99.96	99.95	99.92	99.94	-0.07	0.02	0.47	
		99.93	99.94	99.92	99.94	99.95					
2	500	499.84	499.86	499.87	499.85	499.88	499.87	-0.13	0.01	0.47	
		499.86	499.88	499.87	499.89	499.87					
3	1000	999.75	999.77	999.79	999.78	999.77	999.78	-0.22	0.01	0.47	
		999.77	999.79	999.78	999.80	999.79					

Remarks


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- 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.

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 (Calibration Engineer)  
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Authorised by:

  
 (Quality Manager/Chief Executive)  
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