

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12134 Page. No: 1 of 1

Customer Name & Address

GOVERNMENT URBAN PRIMARY HEALTH CENTRE, GURUVAYURAPPAN NAGAR-641602,TIRUPPUR DISTRICT.	SRF No.	SRF/23/00487-0001
	SRF Date	30-09-2023
	Date of Receipt	28-09-2023
	Date of Calibration	30-09-2023
	Due Date for Calibration	29-09-2024
	Issue Date	01-10-2023

Details of Unit Under Calibration

Description	Micro Pipette	Make	MICROLUX
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)	23.9	Humidity (%RH)	55	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	99.85	99.85	99.85				
		99.89	99.95	99.90	99.87	99.90				
2	500	499.90	499.95	499.90	499.90	499.95	499.90	-0.10	0.03	0.47
		499.89	499.88	499.85	499.85	499.90				
3	1000	999.89	999.88	999.89	999.87	999.90	999.91	-0.09	0.03	0.47
		999.93	999.90	999.91	999.94	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 Grade 3 as specified in ISO 3696.

Calibrated By,

M. Adhiban
(Calibration Engineer)
M.ADHIBAN



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.

CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/12135 Page No : 1 of 1

Customer Name & Address		SRF No.	
GOVERNMENT URBAN PRIMARY HEALTH CENTRE, GURUVAYURAPPAN NAGAR-641602,TIRUPPUR DISTRICT.		SRF/23/00487-0002	
		SRF Date	
		30-09-2023	
		Date of Receipt	
		28-09-2023	
		Date of Calibration	
		30-09-2023	
		Due Date for Calibration	
		29-09-2024	
		Issue Date	
		01-10-2023	

Details of Unit Under Calibration			
Description	Micro Pipette	Make	MICROLUX
Range	0-50µl	Model	NA
Resolution	1µl	Material	PVC
Serial Number	NA	Operating Range	10-50µl
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

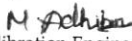
Standard Used						
SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023


Z Factor: 1.00319

Result of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	10	9.94	9.97	9.95	9.96	9.98	9.96	-0.04	0.02	0.47
		9.93	9.99	9.94	9.97	9.96				
2	30	29.86	29.85	29.87	29.84	29.83	29.85	-0.15	9.44	0.47
		29.84	29.88	29.87	29.89	29.83				
3	50	49.92	49.95	49.94	49.95	49.97	49.95	-0.05	0.02	0.47
		49.98	49.95	49.92	49.91	49.97				


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