



CALIBRATION CERTIFICATE

Certificate No: SRS/CI/23/09426

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, VENGALUR, DEVANKOTTAI-630003, SIVAGANGAI DISTRICT.	SRF No. SRS/23/00276-0022 SRF Date 29-07-2023 Date of Receipt 29-07-2023 Date of Calibration 29-07-2023 Due Date for Calibration 29-07-2024 Issue Date 31-07-2023
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Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	THERMO SCIENTIFIC
Range	100-1000 µl	Model	FINNPIPETTE F3
Resolution	1 µl	Material	PVC
Serial Number	K3VU2629	Operating Range	100-1000 µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.6	Humidity (%RH)	55	National / International Standard	ISO 8655-6:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SRS/CP/ML/08

Standard Used

Sl. No.	Description	ID No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP/22/12/2115-01	A&D & CH 252	National Standards	01-12-2023

Z Factor: 1.00319

Result of Calibration in µl

Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (U)
		1	2	3	4	5				
1	100	99.85	99.86	99.87	99.89	99.87	99.91	0.09	0.04	0.47
		99.95	99.93	99.96	99.97	99.91				
2	500	499.96	499.97	499.95	499.96	499.98	499.98	0.10	0.07	0.47
		499.81	499.82	499.84	499.86	499.85				
3	1000	999.74	999.73	999.77	999.71	999.74	999.73	-0.27	0.02	0.47
		999.70	999.71	999.73	999.71	999.70				

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 to the purity specified in ISO 3696.

Calibrated By:

(Calibration Engineer)
 MRACHIL



Authorised by:

(Quality Manager/Chief Executive)
 D. VETRI SELVI

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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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/09425

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Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE, VENGALUR,DEVANKOTTAI-630303,SIVAGANGAI DISTRICT.	SRF No.	SRF/23/00276- 0021
	SRF Date	29-07-2023
	Date of Receipt	29-07-2023
	Date of Calibration	29-07-2023
	Due Date for Calibration	28-07-2024
	Issue Date	31-07-2023

Details of Unit Under Calibration

Description	MICRO PIPETTE	Make	MICROLUX
Range	100-1000 µl	Model	NA
Resolution	10 µl	Material	PVC
Serial Number	NA	Operating Range	100-1000 µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LAB

Environmental Condition				Calibration Method Used	
Temperature (°C)	23.6	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

Sl. 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

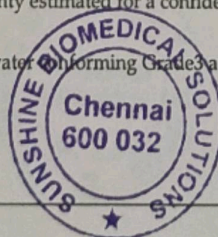
Z Factor: 1.00319

Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.93	99.94	99.92	99.95	99.96	99.94	-0.06	0.02	0.47	
		99.95	99.93	99.96	99.97	99.93					
2	500	499.84	499.83	499.82	499.85	499.86	499.84	-0.16	0.02	0.47	
		499.81	499.82	499.84	499.86	499.85					
3	1000	999.74	999.73	999.72	999.71	999.74	999.73	-0.27	0.02	0.47	
		999.70	999.71	999.73	999.74	999.75					

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 Grade 3 as specified in ISO 3696.

Calibrated By,
(Calibration Engineer)
M.RAGUL



Authorised by:

(Quality Manager/Chief Executive)
D.VETRI SELVI