

CALIBRATION CERTIFICATE

Certificate No: SRS/CL/23/12890

Page No: 1 of 1

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE (MUGAIYUR BLOCK),
KANDACHIPURAM-600701, VILLUPURAM DISTRICT.

SRF No.	SR/23/00025-0003
SRF Date	04-10-2023
Date of Receipt	05-10-2023
Date of Calibration	04-10-2023
Due Date for Calibration	03-10-2024
Issue Date	05-10-2023

Details of Unit Under Calibration

Description	MICROPIPETTE	Make	TERMO SCIENTIFIC
Range	100-1000µl	Model	PENIPETTE P3
Resolution	1µl	Material	PVC
Serial Number	RW12138	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)	23.6	Humidity (%RH)	55	National / International Standard	ISO 9005-4:2002
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6	Cal Procedure No	SRS/CT/ML/08

Standard Used

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112018	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

Result of Calibration in µl

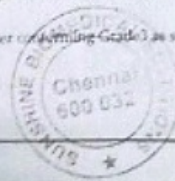
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
		1	2	3	4	5				
1	100	99.05	99.89	99.87	99.56	99.85	99.87	-0.13	0.05	0.47
		99.36	99.87	99.86	99.87	99.85				
2	500	499.97	499.98	499.95	499.96	499.95	499.95	-0.05	0.02	0.47
		499.92	499.94	499.93	499.94	499.95				
3	1000	999.95	999.97	999.95	999.96	999.97	999.96	-0.04	0.01	0.47
		999.95	999.97	999.96	999.97	999.98				

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 (Bottle Grade) as specified in ISO 3696.

Calibrated By,

M. Subash
(Calibration Engineer)
MADHURAN



Authorised by:

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

SUNSHINE BIOMEDICAL SOLUTIONS

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M. Sub
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GOVT.PRIMARY HEALTH CENTRE
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