



## CALIBRATION CERTIFICATE

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Certificate No: SRS/CL/23/13712

Customer Name & Address

GOVERNMENT PRIMARY HEALTH CENTRE,  
KUDIYANALLUR-606203, VILLUPURAM DISTRICT.

SRF No.	SRS/23/00799-0065
SRF Date	07-10-2023
Date of Receipt	07-10-2023
Date of Calibration	07-09-2023
Due Date for Calibration	06-10-2024
Issue Date	07-10-2023

**Details of Unit Under Calibration**

Description	Micro Pipette	Make	THERMO SCIENTIFIC
Range	5-50ul	Model	PUNNIPETTE F3
Resolution	0.2ul	Material	PVC
Serial Number	NA	Operating Range	5-50ul
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 8455-6:2002
Atmospheric Pressure (mbars)	1006	Water Temperature (°C)	21.6	Cal. Procedure No	SRS/CI/ML/08

**Standard Used**

Sl. No.	Description	ID.No. / SE. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	25112918	TYCSP/L22/12/0119-01	A&O & GH-252	National Standards	09-12-2023

Z Factor: 1.00119

**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	10.0	9.87	9.86	9.87	9.87	9.89	9.87	-0.13	0.01	0.47
		9.88	9.86	9.87	9.88	9.89				
2	31.0	29.76	29.77	29.76	29.79	29.76	29.78	-0.22	0.01	0.47
		29.77	29.78	29.79	29.78	29.78				
3	50.0	49.88	49.87	49.88	49.87	49.88	49.87	-0.13	0.01	0.47
		49.87	49.86	49.86	49.87	49.88				

**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. Adhivan*  
(Calibration Engineer)  
MADHIVAN



Authorised by:

*C. Sivabalan*  
(Quality Management/Chief Executive)  
C.SIVABALAN

### SUNSHINE BIOMEDICAL SOLUTIONS

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