



Certificate No: SBSC/121-22/12240

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Customer Name & Address A/R. GOVERNMENT PRIMARY HEALTH CENTRE, MATRICAL MAIN ROAD	Date of Issue	17-11-2021
	SRF No.	5895988725-2218524412
	SRF Date	16-11-2021
	Date of Receipt	17-11-2021
	Date of Calibration	17-11-2021
	Due Date for Calibration	16-11-2022

Details of Unit Under Calibration

Description	Micro Pipette	Make	THERMOSCIENTIFIC
Range	100-1000µl	Model	DRAGON
Resolution	1 µl	Material	PVC
Serial Number		Operating Range	100 - 1000µl
Cal. At	Mechanical Lab	Condition of UUC	Good
		Instrument Location	LAB

Environmental Condition

Calibration Method Used

Temperature (°C)	23.4	Humidity (%RH)	56	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 Semi Micro Balance	15112918	ECT2020/0914	A&D & GH-252	National Standards	14-12-2021

Z Factor: 1.00519

Result of Calibration in µl

SL No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)
1	100	99.90	99.92	99.92	99.91	99.92	99.92	-0.08	0.01	6.59
		99.91	99.91	99.92	99.93	99.92				
2	500	499.89	499.88	499.90	499.89	499.88	499.88	-0.13	0.02	18.76
		499.87	499.86	499.85	499.86	499.87				
3	1000	999.80	999.79	999.80	999.78	999.79	999.78	-0.22	0.02	33.36
		999.78	999.77	999.76	999.75	999.78				

Note: Status of the Equipment After Calibration, Please Tick Below,

Pass:

Fail:


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.

Checked & Issued by:

 (Calibration Engineer)
 M. BALAJI



Authorized by:

 (Technical Manager/Chief Executive)

SUNSHINE BIOMEDICAL SOLUTIONS

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