



CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13575		Page No: 1 of 1								
Customer Name & Address		SRF No.	SRF/23/00770-0006							
GOVERNMENT URBAN PRIMARY HEALTH CENTRE, VEDARANIYAM-614810,NAGAPATTINAM DISTRICT.		SRF Date	06-10-2023							
		Date of Receipt	05-10-2023							
		Date of Calibration	06-10-2023							
		Due Date for Calibration	05-10-2024							
		Issue Date	07-10-2023							
Details of Unit Under Calibration										
Description	Micro Pipette	Make	AST AMP							
Range	10-100µl	Model	103LX							
Resolution	1µl	Material	PVC							
Serial Number	DY11255	Operating Range	10-100µl							
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/CI/ML/08								
Standard Used										
Sl. No.	Description	ID.No. / SI. No.	Certificate No.							
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01							
			Make/Model							
			A&D & GH-252							
			Traceability							
			National Standards							
			Valid till							
			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	9.88	9.87	9.86	9.87	9.86	9.87	-0.13	0.01	0.47
		9.87	9.88	9.87	9.86	9.88				
2	50	49.76	49.77	49.78	49.76	49.77	49.77	-0.23	0.01	0.47
		49.77	49.76	49.76	49.77	49.78				
3	100	99.84	99.86	99.87	99.88	99.87	99.86	-0.14	0.01	0.47
		99.86	99.87	99.86	99.87	99.86				
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.										
Calibrated By,				Authorised by:						
(Calibration Engineer) MADHARAN				(Quality Manager/Chief Executive) C.SIVABALAN						

SUNSHINE BIOMEDICAL SOLUTIONS

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