




SUNSHINE BIOMEDICAL SOLUTIONSNo:68, First Floor, Poomagal Main Road, Ekkattuthangal, Chennai - 600 032, Tel: 044 - 2225 2087,
E-Mail: calibration@sunshinebiomedical.com, Website: www.sunshinebiomedical.com.**CALIBRATION CERTIFICATE**

Certificate No: SBS/CL/23/13913		Page No: 1 of 1								
Customer Name & Address										
GOVERNMENT PRIMARY HEALTH CENTRE, KOMAL-609805,MAYILADUTHURAI DISTRICT.		SRF No.	SRF/23/00837-0004							
		SRF Date	09-10-2023							
		Date of Receipt	07-10-2023							
		Date of Calibration	09-10-2023							
		Due Date for Calibration	08-10-2024							
		Issue Date	09-10-2023							
Details of Unit Under Calibration										
Description	Micro Pipette	Make	THERMO SCIENTIFIC							
Range	100-1000µl	Model	FINNPIPETTE F3							
Resolution	1µl	Material	PVC							
Serial Number	RW12510	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)	23.9	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. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till				
1	Electronic Weighing Balance	15112918	TVCSPL/22/12/2115-01	A&D & GH-252	National Standards	09-12-2023				
Result of Calibration in µl				Z Factor: 1.00319						
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (U)
1	100	99.86	99.87	99.88	99.87	99.86	99.87	-0.13	0.01	0.47
		99.87	99.88	99.87	99.86	99.87				
2	500	499.87	499.88	499.86	499.87	499.87	499.86	-0.14	0.01	0.47
		499.86	499.86	499.85	499.86	499.86				
3	1000	998.76	998.77	998.76	998.74	998.72	998.75	-1.25	0.02	0.47
		998.77	998.76	998.77	998.72	998.72				
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 with a confidence level of approximately 95% for a coverage factor k=2.00.										
7. Calibration Liquid Used: Distilled or Deionized water or Weighing Check as specified in ISO 3696.										
Calibrated By,		Authorised by:								
(Calibration Engineer) M.RAGUL		C.SIVABALAN								

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CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13914		Page: No 1 of 1								
Customer Name & Address										
GOVERNMENT PRIMARY HEALTH CENTRE, KOMAL-609805,MAYILADUTHURAI DISTRICT.		SRF No.	SRF/23/00837-0005							
		SRF Date	09-10-2023							
		Date of Receipt	07-10-2023							
		Date of Calibration	09-10-2023							
		Due Date for Calibration	08-10-2024							
		Issue Date	09-10-2023							
Details of Unit Under Calibration										
Description	Micro Pipette	Make	THERMO FISHER							
Range	10-100µl	Model	NA							
Resolution	0.2µl	Material	PVC							
Serial Number	RW09963	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)	23.7	Humidity (%RH)	53							
Atmospheric Pressure (mbar)	1006	Water Temperature (°C)	21.6							
		National / International Standard	ISO 8655-6:2002							
		Cal Procedure No	SBS/CP/ML/08							
Standard Used										
SI. No.	Description	ID.No. / SI. No.	Certificate No.	Make/Model	Traceability	Valid till				
1	Electronic Weighing Balance	15112918	TVCSP1.22/12/2115-01	A&D & GH-252	National Standards	09-12-2023				
Z Factor: 1.00319										
Result of Calibration in µl										
SI. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (t)
1	10.0	9.90	9.92	9.88	9.91	9.92	9.91	-0.09	0.01	0.47
		9.91	9.92	9.93	9.92	9.90				
2	50.0	49.78	49.76	49.74	49.72	49.74	49.74	-0.26	0.02	0.47
		49.76	49.75	49.73	49.72	49.71				
3	100.0	98.92	98.94	98.94	98.96	98.92	98.93	-1.07	0.02	0.47
		98.91	98.93	98.94	98.92	98.91				
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 unless otherwise specified in ISO 3696.										
Calibrated By,  (Calibration Engineer) MRAGUL					Authorised by:  (Quality Manager/Chief Executive) C.SIVABALAN					

