



### CALIBRATION CERTIFICATE

Certificate No: 89573/2020/895		Page No: 1/1		
Customer Name & Address		SRF No	89573/2020/895	
GOVERNMENT URBAN PRIMARY HEALTH CENTER, AROMANTHAN/PUTHUR/ARAKKAL/CHENNAI DISTRICT		SRF Date	14-12-2020	
		Date of Receipt	14-12-2020	
		Date of Calibration	14-12-2020	
		Due Date for Calibration	14-12-2024	
		Issue Date	17-12-2020	
Details of Item Under Calibration				
Description	MICRO PIPETTE	Make	THORLAB SCIENTIFIC	
Range	10-100ul	Model	FP100P1012 PJ	
Resolution	0.1ul	Material	PLC	
Serial Number	39402761	Operating Range	10-100ul	
ID Number	NA	Condition at UIC	Good	
Cal. At	Mechanical Lab	Instrument Location	LABORATORY	
Environmental Conditions		Calibration Method Used		
Temperature °C	22.2	Humidity %RH	25	
Atmospheric Pressure (kPa)	101.6	Reference Standard	NIST 603-6-2002	
	Water Temperature °C	21.6	Cal Procedure No	89573/2020/895


Sl. No.	Description	ID No. / SL No.	Certificate No.	Manufacturer	Traceability	Valid till
1	Electronic Weighing Balance	89122918	TVCM12012011541	A&O & CO LTD	National Standards	18-12-2022

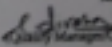
Standard Used

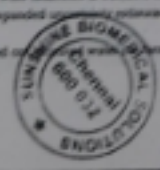
Z factor: 1.8018

Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (U)	
1	10.0	9.95	9.96	9.97	9.98	9.96	-0.04	0.01	0.07		
		9.96	9.97	9.98	9.99	9.97					
2	50.0	49.96	49.97	49.98	49.98	49.97	-0.03	0.01	0.07		
		49.96	49.97	49.98	49.98	49.96					
3	100.0	99.89	99.88	99.89	99.87	99.88	-0.11	0.01	0.07		
		99.88	99.87	99.89	99.86	99.87					

- 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 instruments 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 coverage, retained for a confidence level of approximately 95% for a coverage factor k=2.00.
  - Calibration Liquid Used: Distilled water, conforming Grade3 as specified in ISO 3696.

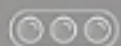
Calibrated By:  (Calibrator Engineer) M. ANAND

Authorized by:  C. SIVABALAN



**SUNSHINE BIOMEDICAL SOLUTIONS**  
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*v. Dhanasekaran*



Samsung Triple Camera  
 Sudha chenni D