

**CALIBRATION CERTIFICATE**

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<b>Customer Name &amp; Address</b>		<b>SRF No.</b>	
GOVERNMENT URBAN PRIMARY HEALTH CENTRE, THOPOKANNA,ARCOT-632503,RANIPET DISTRICT.		SRF/23/00578-0004	
		<b>SRF Date</b>	
		06-10-2023	
		<b>Date of Receipt</b>	
		05-10-2023	
		<b>Date of Calibration</b>	
		06-10-2023	
		<b>Due Date for Calibration</b>	
		05-10-2024	
		<b>Issue Date</b>	
		06-10-2023	

<b>Details of Unit Under Calibration</b>			
<b>Description</b>	Micro Pipette	<b>Make</b>	THERMO SCIENTIFIC
<b>Range</b>	10-100µl	<b>Model</b>	FINNPIPETTE F3
<b>Resolution</b>	0.2µl	<b>Material</b>	PVC
<b>Serial Number</b>	RW09952	<b>Operating Range</b>	10-100µl
<b>ID Number</b>	NA	<b>Condition of UUC</b>	Good
<b>Cal. At</b>	Mechanical Lab	<b>Instrument Location</b>	LABORATORY

<b>Environmental Condition</b>				<b>Calibration Method Used</b>	
<b>Temperature (°C)</b>	23.8	<b>Humidity (%RH)</b>	55	<b>National / International Standard</b>	ISO 8655-6:2002
<b>Atmospheric Pressure (mbar)</b>	1006	<b>Water Temperature (°C)</b>	21.6	<b>Cal Procedure No</b>	SBS/CP/ML/08


<b>Standard Used</b>						
<b>Sl. No.</b>	<b>Description</b>	<b>ID.No. / SI. No.</b>	<b>Certificate No.</b>	<b>Make/Model</b>	<b>Traceability</b>	<b>Valid till</b>
1	Electronic Weighing Balance	15112918	TVCSPL22/12/2115-01	A&D & GH-252	National Standards	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	10.0	9.94	9.97	9.95	9.96	9.93	9.95	-0.05	0.02	0.47	
		9.98	9.95	9.92	9.97	9.96					
2	50.0	49.91	49.97	49.95	49.97	49.96	49.95	-0.05	0.02	0.47	
		49.92	49.97	49.93	49.96	49.98					
3	100.0	99.85	99.87	99.85	99.84	99.82	99.87	-0.14	0.03	0.47	
		99.89	99.87	99.89	99.87	99.90					

**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,  
  
 (Calibration Engineer)  
 M.RAGUL



Authorised by:  
  
 (Quality Manager/Chief Executive)  
 C.SIVABALAN

**SUNSHINE BIOMEDICAL SOLUTIONS**

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