



## CALIBRATION CERTIFICATE

Certificate No: SBS/CL/23/13553

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**Customer Name & Address**

GOVERNMENT URBAN PRIMARY HEALTH CENTRE, MAYILADUTHURAI-609001.	SRF No.	SRF/23/00765-0005
	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	THERMO SCIENTIFIC
Range	100-1000µl	Model	FINNPIPETTE 13
Resolution	1µl	Material	PVC
Serial Number	RW12523	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/CL/MI/08

**Standard Used**

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSP122/12/2115-01	A&D & GH-252	National Standards	09-12-2023

Z Factor: 1.00319

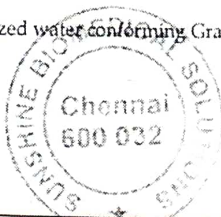
Result of Calibration in µl											
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty (±)	
1	100	99.86	99.87	99.85	99.86	99.84	99.87	-0.13	0.01	0.47	
		99.87	99.88	99.87	99.88	99.87					
2	500	499.95	499.96	499.95	499.96	499.97	499.96	-0.04	0.01	0.47	
		499.96	499.97	499.98	499.98	499.96					
3	1000	999.77	999.78	999.77	999.76	999.75	999.75	-0.25	0.02	0.47	
		999.75	999.76	999.74	999.73	999.72					

**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 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,

*M. Adhiban*  
(Calibration Engineer)  
MADHIBAN



Authorised by:

*S. Sivan*  
(Quality Manager/Chief Executive)  
C.SIVABALAN

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