

**CALIBRATION CERTIFICATE**

Certificate No: SBS/CL/23/12829

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE, PONNUR-604408, TIRUVANNAMALAI DISTRICT.	SRF No.	SRF/23/00618-0004
	SRF Date	06-10-2023
	Date of Receipt	06-10-2023
	Date of Calibration	06-10-2023
	Due Date for Calibration	05-10-2024
	Issue Date	06-10-2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	THERMO FISHER
Range	100-1000µl	Model	FINNPIPETTE F3
Resolution	1µl	Material	PVC
Serial Number	RW12829	Operating Range	100-1000µl
ID Number	NA	Condition of UUC	Good
Cal. At	Mechanical Lab	Instrument Location	LABORATORY

**Environmental Condition**

Temperature (°C)	23.6	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

**Calibration Method Used**

**Standard Used**

Sl. No.	Description	ID.No. / Sl. No.	Certificate No.	Make/Model	Traceability	Valid till
1	Electronic Weighing Balance	15112918	TVCSPL12/12/2115-01	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	2	3	4	5				
1	100	99.85	99.86	99.87	99.88	99.89	99.86	-0.14	0.02	0.47
		99.85	99.86	99.87	99.85	99.84				
2	500	499.85	499.85	499.84	499.83	499.82	499.84	-0.16	0.02	0.47
		499.86	499.84	499.83	499.82	499.81				
3	1000	999.85	999.86	999.86	999.85	999.84	999.85	-0.15	0.01	0.47
		999.85	999.84	999.86	999.87	999.85				

**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. Athibagi*  
(Calibration Engineer)  
MADHIBAN



**Authorised by:**

*C. Sivabalan*  
(Quality Manager/Chief Executive)  
C.SIVABALAN

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