



## CALIBRATION CERTIFICATE

Certificate No: SBSACL/33/04410

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**Customer Name & Address**

GOVERNMENT PRIMARY HEALTH CENTRE,  
MARAIMALAI NAGAR-603209, CHENGALPATTU DISTRICT.

SRF No.	SRF/23/001/02-0018 & 09-02-2023
SRF Date	09-02-2023
Date of Receipt	09-02-2023
Date of Calibration	09-02-2023
Due Date for Calibration	08-02-2024
Issue Date	11/2/2023

**Details of Unit Under Calibration**

Description	MICRO PIPETTE	Make	VISION
Range	5-50 $\mu$ l	Model	NA
Resolution	1 $\mu$ l	Material	PVC
Serial Number	LAB/MP/002	Operating Range	
ID Number		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 9000-6:2002
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 Semi Micro Balance	15112918	TVCSP/L22/12/2115-01	A&D & G11-252	National Standards	09-12-2023

Z Factor: 1.00319

**Result of Calibration in  $\mu$ l**

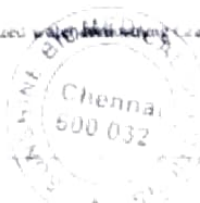
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty ( $\pm$ )
1	10	9.93	9.91	9.92	9.91	9.93	9.92	-0.08	0.01	0.47
		9.91	9.90	9.91	9.93	9.92				
2	30	29.71	29.70	29.69	29.68	29.68	29.69	29.69	85.39	0.47
		29.70	29.71	29.69	29.66	29.67				
3	50	49.10	49.11	49.13	49.10	49.11	49.11	-0.89	0.01	0.47
		49.14	49.11	49.11	49.10	49.09				

**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 when water is needed as specified in ISO 3696.

Calibrated By:

*V. Jeyaraj*  
(Instrument Engineer)  
K. V. ENGINEERS



Authorized by:

*D.V.*  
Quality Manager, Chief Executive  
D. VETRI SRI V.