

CALIBRATION CERTIFICATE

CERTIFICATE NO : SBS/CL/23-24/04169 MEDICAL DEVICES **Page No : 1**

Customers Name & Address GOVERNMENT PRIMARY HEALTH CENTER KILLAI - 608102.	SRF No.	SRF/23-24/00211-0014
	SRF Date	12.08.2023
	Date of Receipt	12.08.2023
	Date of Calibration	12.08.2023
	Due Date of Calibration	11.08.2024
	Date of Issue	14.08.2023

Details of Unit under Calibration			
Description	MicroPipette	Make	Thermo Scientific
Range	10 - 100µl	Model	Finnpipette F3
Resolution	1 µl	Material	PVC
Serial Number	RW11078	Operating Range	Z factor 1.000
Cal. At	On Site	Condition of UUC	SATISFACTORY
		Instrument Location	Lab

Environmental Condition		Calibration Method Used	
Temperature (°C)	23±9C	National / International Standard	ISO 8655-6: 2002
Humidity (%RH)	51%	Cal. Procedure Number	SBS/CP/ML/08
Pressure (mbar)	1006	Estimated Uncertainty ((K=2) @ 95.45%)	0 -5 µl

Standard Used					
Sl.No.	Description	Sl.No.	Certificate Number	Make /Model	Valid Till
1	Electronic Semi Micro Balance	15112918	TVCSPL 22/12/2115-01	A&D & GH-252	09-12-2023


Results of Calibration in µl										
Sl. No.	Nominal Value	Observed Readings					Mean Value	Systematic Error	Random Error	Measurement Uncertainty(±)
		9.89	9.88	9.90	9.91	9.94				
1	10	9.92	9.93	9.93	9.94	9.95	9.93	-0.07	0.03	0.42
		49.87	49.88	49.88	49.89	49.93				
2	50	49.92	49.95	49.92	49.97	49.97	49.92	-0.08	0.02	0.46
		99.88	99.87	99.85	99.89	99.89				
3	100	99.91	99.90	99.91	99.85	99.84	99.91	-0.09	0.01	0.46

REMARKS

1. This Calibration certificate shall not be reproduced except in full, without written approved 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. The indicated uncertainties are expanded uncertainty estimated for a confidence level of approximately 95% for a coverage factor k=2.00
6. Equipment used for Calibration were calibrated & traceable to National & International Standards.
7. Calibration Liquid Used: Distilled or Deionized water conforming Grade3 as specified in ISO 3696.

Calibrated by:

S. Shanmuga Raj
 (Calibration Engineer)
 S.SHANMUGA RAJ



D. Vetriselvi
 Quality Manager
 (D.VETRI SELVI)

Authorized Signatory

K. Kumar
 (Chief Executive)