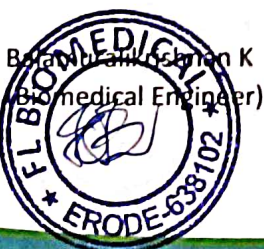


REPORT ON						
ELECTRICAL SAFETY TESTING/ PERFORMANCE ANALYSIS/ CALIBRATION						
Report No : TR/APHC/022/23-24			Calibration Date : 08/03/2023			
Page 1 Of 2			Calibration Due : 07/03/2024			
1.1 CUSTOMER DETAILS						
Name and address of the organisation			Primary Health Centre New Gh Road, Opposite State Bank Of India, Ayalur, Gobichettipalayam, Erode District,			
Reference and Date			Tamil Nadu, 638453			
Date of receipt of item			Letter dated 08-03-2023			
1.2 DESCRIPTION OF DEVICE UNDER TEST (DUT)						
Nomenclature			MICRO PIPETTE			
A.	Manufactured by		THERMO SCIENTIFIC			
B.	Model		FINN PIPETTE			
C.	Serial No.		4640040N			
D.	Biomedical Product ID		APHC/LAB/PIP/01			
E.	Pipette Range		10 to 100 µl			
F.	Accuracy		As per the manual			
G.	Calibration method		Gravimetric			
H.	Location		LABORATORY			
1.3 CONDITION OF THE ITEM WHEN RECEIVED						
No visible damage and in working order						
1.4 ENVIRONMENTAL CONDITION OF MEASUREMENTS						
A.	Temperature		20.0°C			
B.	Relative Humidity		45-75%			
C.	Ambient Barometric Pressure		756mmHg			
1.5 Applicable Specification			IS/ISO 4787:2010			
1.6 Test Done			Performance Testing			
1.7 STATUS						
Manufactures Specification	Users Specification	Within Specification	Out of Specification	Calibration	Electrical Safety Test	Performance Analysis
✓	-	✓	-	✓	-	✓
1.8 TRACEABILITY DETAILS OF INSTRUMENTS USED FOR TESTING						
Sl No	Name of the Instrument	Make	Model	Serial No	Cal Due	Traceability Reference
1.	Semi Micro Balance	MS Micro Balances	TVCS1510438	31504484	MAY 2023	Annexure 1

Tested BY :

Approved by :



Priva M
FL BIOMEDICAL
 (Quality Manager)
 189, Vasantham Paradise,
 Chithode, Erode-638102.
 Cell: 7092848995

1.9 Calibration results :

1. Volume measurement for Low value 10 μ l

Number of measurements taken is 10

Measurements										
μ l										
1	2	3	4	5	6	7	8	9	10	TEST RESULT
9.98	9.91	9.93	9.92	9.89	9.82	9.87	9.85	9.94	9.86	PASS
Mean Volume									9.90 μ l	
Random Error									0.014 μ l	
Measurement Uncertainty \pm									0.02 μ l	

2. Volume measurement for Middle value 50 μ l

Number of measurements taken is 10

Measurements										
μ l										
1	2	3	4	5	6	7	8	9	10	TEST RESULT
49.71	49.85	49.62	49.78	49.95	49.91	49.96	49.89	49.88	49.98	PASS
Mean Volume									49.85 μ l	
Random Error									0.034 μ l	
Measurement Uncertainty \pm									0.04 μ l	

3. Volume measurement for High value 100 μ l

Number of measurements taken is 10

Measurements										
μ l										
1	2	3	4	5	6	7	8	9	10	TEST RESULT
99.87	99.85	99.67	99.84	99.88	99.91	99.95	99.79	99.99	99.94	PASS
Mean Volume									99.87 μ l	
Random Error									0.027 μ l	
Measurement Uncertainty \pm									0.030 μ l	

2.0 REMARKS

2.1	This report is applicable to the sample tested only.
2.2	The instruments used for testing are under valid calibration and are traceable to National Standards.
2.3	Uncertainty is calculated at 95.45% CL with k=2
2.4	refer NABL Doc No. 129 Chapter -1D, Accommodation and environmental Conditions sub Clause see 7.2.11 below in line with ISO/IEC 17025:2017 Clause 5.3

Tested BY :

Approved by :



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