

FL BIOMEDICAL &



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ELEC	CTRICA	L SAFETY	TESTING	REPORT O	N MANCE A	ANALYS	IS/ CA	LIBRATIO				
		UPHC/013/2		PERFORMANCE ANALYSIS/ CALIBRATIO Calibration Date: 15-08-2022								
Page 1					Due : 14-							
	JSTOMER	DETAILS		Cumuration Duc 12133								
			mination	UPHC PERI	VACEMIID							
vame	and addre	ss of the orga	inisation	The state of the s		Darivaser	nur					
					hayat office	, renyusen	701					
				Erode								
				Tamil Nadu	1 – 638004							
Refere	ence and D	ate		Letter date	d 14-08-20.	22						
Date o	of receipt o	f item		14-08-2022	?							
1.2 DE	SCRIPTION C	F DEVICE UNDE	R TEST (DUT)									
	Nomencla			MICRO PIPPET	MICRO PIPPETTE							
A.	Manufactu	ired by		MICROLUX								
В.	Model			NAPIP								
C.	Serial No.			PUPHCLABPIPO1								
D.	Biomedica	l Product ID		PUPHC/LAB/P	PUPHC/LAB/PIP/01							
E.	Pipette Ra	nge	The said of the last	100 to 1000 μl	100 to 1000 μl							
F.	Accuracy			As per the mar	nual							
G.	Calibration	method		Gravimetric								
H.	Location			LABORATORY								
		THE ITEM WHEN	-									
		ge and in working	of MEASUREMENT	·c								
A.	Temperat		I WIEASOKEWIEW	25.8°C								
В.	Relative H			45-75%								
C.		Sarometric Press	ure	756mmHg								
1.5 App	licable Speci	fication		IS/ISO 4787:2010								
1.6 Test				Perfomance Testing								
1.7 ST/	ATUS											
	actures	Users Specification	Within Specification	Out of Specification	Specification Safet			Performance Analysis				
V		-	1	-	1		-	1				
8 TRA	CEABILITY DI	ETAILS OF INSTR	UMENTS USED FO		Marie Con			THE RESERVE				
o Na	me of the In	strument	Make	Model	Serial No	Cal Due	eability Reference					
. 5	Semi Micro B	alance MS	Micro Balances	TVCS1510438	31504484	MAY 202	3	Annexure 1				

Tested BY:

Approved by:

Balamuralikrishnan K (Biomedical Engineer)



Priya M (Quality Manager FL BIOMEDICAL

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Calibration results:

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1. Volume measurement for Low value 100 µl

Number of measurements taken is 10

					N	leasure	ments				
						μΙ					
1	2	3	4	5	6	7	8	9	10	TEST RESULT	
99.94	99.82	99.94	99.93	99.89	99.88	99.87	99.99	99.92	99.96	PASS	
		Mean	Volume						99.91 μΙ		
Random Error						0.014 μl					
Measurement Uncertainity ±							0.02 μΙ				

2. Volume measurement for Middle value 500 μl

Number of measurements taken is 10

					N	1easure	ments					
						μΙ						
1	2	3	4	5	6	7	8	9	10	TEST RESULT		
499.78	499.65	499.98	49.92	499.97	499.85	499.88	499.86	499.98	499.95	PASS		
		Mean	Volume		T. H. I.				499.88 µl			
Random Error						0.034 µl						
	Measurement Uncertainity ±						0.03 µl					

3. Volume measurement for High value 1000 µl Number of measurements taken is 10

					N	1easure	ments					
						μΙ						
1	2	3	4	5	6	7	8	9	10	TEST RESULT		
999.79	999.98	999.94	999.86	999.86	999.75	999.82	999.96	999.94	999.91	PASS		
		Mean	Volume						999.88 µl			
Random Error							0.023 µl					
	Measurement Uncertainity ±						0.02 µl					

2.0 R	EMARKS
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	Uncertainity 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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