Cert No. CC-2543

Medical Engineering & Services
Things Beyond Thoughts

Abhcon Crown,X1/411/21,Ambadi Lane
Kokkalai,Thrissur-21. Ph: 0487 2420367
Email: mescalibration.tsr@gmail.com
Visit us @www.mescalibration.com

CALIBRATION CERTIFICATE

Certificate Number	:	MES/180122/C2	ULR Number	:	CC254322000000049F
Customer Details	:	**SEVENA HITECH LAB,PARAPPUR,THRISSUR.**			
Date of Calibration	:	**18/01/2022**	Date of SRF	:	**18/01/2022**
Next Calibration Due	:	**17/01/2023**	Date of Issue	:	**18/01/2022**

DETAILS OF DEVICE UNDER CALIBRATION(DUC)

Nomenclature	:	Micropipette	Serial No.	:	081803531
Make / Model	:	HANDYPETTE	ID No.	:	-
Equipment Condition	:	Good	Resolution	:	0 µl
Range	:	50µL	Location	:	BIOCHEMISTRY

DETAILS OF MASTER EQUIPMENT USED

Nomenclature	:	Electronic Precision Balance	Range	:	0 – 210 gm
Make	:	Boeco	Readability	:	0.01/0.1 mg
Model	:	BBC-22	Serial No.	:	27104178
Certificate No.	:	TVSPL21/10/227-01	Calibration Due Date	:	05.10.2022

ENVIRONMENTAL CONDITIONS

Temperature(°C)	Relative Humidity (%)	Atmospheric Pressure (mbar)	Water Temperature(°C)
26.5	56	1004	26.6

CALIBRATION RESULTS

Discipline : **Mechanical** Parameter : **Volume**

Sl. No.	Set Volume	Standard Value	Systematic Error	Acceptable Systematic Error	Random Error	Acceptable Random Error	Expanded Uncertainty
	µl	µl	µl	± µl	µl	± µl	± µl
1	50	50.04	-0.04	0.50	0.05	0.20	0.144

Notes: -

- The results in this certificate are only related to DUC submitted calibration and valid at the time of calibration under stated condition of measurements
- The measurement uncertainty is estimated at a confidence level of 95.45% with coverage factor k=2.
- Results in this certificate shall not be reproduced except in full without the written approval of this centre.
- Next calibration due date is mentioned as per customer requirement.
- Calibration certificate issued for scientific or industrial purpose only.
- Acceptable error limit is given as per ISO 8655-2:2002(E) Guidelines
- Calibration is carried out as per ISO 8655-6 Guidelines;MES work procedure: MES/WP/VOLUME.

Calibrated by
Prabin KP
(Calibration Engineer)

MEDICAL ENGINEERING & SERVICES THRISSUR-1

Authorized Signatory
Binoj Thomas
(Technical Manager)