



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/100922/C1
Customer Details : DOCTORS LAB, PAYYOLI, KOZHICODE. ULR Number : CC25432200000812F
Date of Calibration : 10/09/2022
Next Calibration Due : 09/09/2023 Date of SRF : 10/09/2022
Date of Issue : 10/09/2022

DETAILS OF DEVICE UNDER CALIBRATION(DUC)

Nomenclature : Micropipette
Make / Model : ERBA Serial No. : YE175AB0104829
Equipment Condition : Good ID No. :
Range : 10-100 µL Resolution : 1 µl
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)
26.8	59	1001	26.9

CALIBRATION RESULTS

Sl. No.	Discipline	Mechanical			Parameter		Volume	
		Set Volume	Standard Value	Systematic Error	Acceptable Systematic Error	Random Error	Acceptable Random Error	Expanded Uncertainty
		µl	µl	µl	± µl	µl	± µl	± µl
1		10	9.98	0.02	0.12	0.07	0.08	0.828
2		50	50.09	-0.09	0.50	0.07	0.20	0.828
3		100	100.39	-0.39	0.80	0.07	0.30	0.831

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
Prabin KP

(Calibration Engineer)

Authorized Signatory

Binoj Thomas
Binoj Thomas

(Technical Manager)

