



Cert No. CC-2543



Medical Engineering & Services

Things Beyond Thoughts

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CALIBRATION CERTIFICATE

Certificate Number : MES/010922/C3
Customer Details : DOCTORS LAB, PAYYOLI, KOZHIKODE. ULR Number : CC25432200000757F
Date of Calibration : 01/09/2022
Next Calibration Due : 31/08/2023 Date of SRF : 01/09/2022
Date of Issue : 01/09/2022

DETAILS OF DEVICE UNDER CALIBRATION(DUC)

Nomenclature : Micropipette
Make / Model : ERBAPETTE
Equipment Condition : Good
Range : 100-1000 μ L
Serial No. : HR65444
ID No. :
Resolution : 5 μ L
Location : BIOCHEMISTRY

DETAILS OF MASTER EQUIPMENT USED

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

ENVIRONMENTAL CONDITIONS

Temperature(°C)	Relative Humidity (%)	Atmospheric Pressure (mbar)	Water Temperature(°C)
27.7	56	1003	27.8

CALIBRATION RESULTS

Sl. No.	Set Volume μ L	Mechanical		Parameter			Expanded Uncertainty $\pm \mu$ L
		Standard Value μ L	Systematic Error μ L	Acceptable Systematic Error $\pm \mu$ L	Random Error μ L	Acceptable Random Error $\pm \mu$ L	
1	100	100.41	-0.41	0.80	0.07	0.30	4.085
2	500	501.62	-1.62	4.00	0.25	0.20	4.115
3	1000	1002.44	-2.44	8.00	0.27	3.00	4.126

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)

Authorized Signatory


Binoj Thomas
(Technical Manager)

