



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/010922/C1 ULR Number : CC254322000000755F
Customer Details : DOCTORS LAB, PAYYOLI, KOZHIKODE.
Date of Calibration : 01/09/2022 Date of SRF : 01/09/2022
Next Calibration Due : 31/08/2023 Date of Issue : 01/09/2022

DETAILS OF DEVICE UNDER CALIBRATION(DUC)

Nomenclature : Micropipette Serial No. : KA0057817
Make / Model : ASTRA/AMP 103 LX ID No. :
Equipment Condition : Good Resolution : 0 μ l
Range : 1000 μ l 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)
27.7	56	1003	27.8

CALIBRATION RESULTS

Sl. No.	Discipline	Mechanical		Parameter		Volume		
		Set Volume	Standard Value	Systematic Error	Acceptable Systematic Error	Random Error	Acceptable Random Error	Expanded Uncertainty
		μ l	μ l	μ l	$\pm \mu$ l	μ l	$\pm \mu$ l	$\pm \mu$ l
1		1000	1002.24	-2.24	8.00	0.33	3.00	1.011

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)

