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

CALIBRATION CERTIFICATE Certificate Number CC254322000000758F MES/010922/C4 **ULR Number Customer Details** DOCTORS LAB, PAYYOLI, KOZHIKODE. **Date of Calibration** 01/09/2022 : 01/09/2022 **Next Calibration Due** Date of SRF : 31/08/2023 01/09/2022 Date of Issue

DETAILS OF DEVICE UNDER CALIBRATION(DUC)

Nomenclature

Micropipette

Serial No.

QW08282

Make / Model

AGAPPE/MISPA-i

ID No.

Equipment Condition

Temperature(°C)

Good

Resolution

 0.2μ l

Range

20-200 µL

Location

BIOCHEMISTRY

DETAILS OF MASTER EQUIPMENT USED

Nomenclature

Electronic Precision Balance

Relative Humidity (%)

Range

: 0 - 210 gm

Make Model

Boeco

Readability

 $0.01/0.1 \, \text{mg}$

BBC-22

Serial No.

27104178

Certificate No.

TVSPL21/10/227-01

Calibration Due Date

: 05.10.2022

ENVIRONMENTAL CONDITIONS

Atmospheric Pressure Water Temperature(°C) (mbar)

27.7 56

1003

27.8

CALIBRATION RESULTS

			O/ (E)	PILATION VESOFIS			
Discipline :		Mechanical		Parameter		: Volume	
SI. No.	Set Volume	Standard Value	Systematic Error	Acceptable Systematic Error	Random Error	Acceptable Random Error	Expanded
	μΙ	μl	μΙ	±μl	ul		Uncertainty
1	20	19.99	0.01	0.20	0.07	± μl	±μl
2	100	100.36	-0.36	0.80	0.06	0.10	0.226
3	200	200.01	-0.01	1.60	0.24	0.20	0.220
					0.24	0.60	0.724

Notes: -

- The results in this certificate are only related to DUC submitted calibration and valid at the time of calibration
- 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/WR/VOLUME. Calibrated by

Authorized Signatory

Prabin KP (Calibration Engineer)

Binoj Thomas (Technical Manager)