

CALIBRATION CERTIFICATE

Page 1 of 1

1. Customer Name:	M/s.CLUEPATH DIAGNOSTICS LLP, No.19A, New High School Road, VV Puram, Bangalore - 560004	6. Certificate No:	RCPL/23-24/ML/15353-02
		7.ULR No:	CC221523000018721F
		8.Date of Issue:	27-11-2023
2. SRF No:	15353	9.Date of Calibration:	17-11-2023
3. Date of SRF/Receipt:	17-11-2023	10. Next Cal Due:	16-11-2024
4. Discipline:	Mechanical Calibration	11. Calibration SOP no:	RCPL/SOP/ML-21
5. Calibrated At:	Mass & Volume Lab	12. Condition of DUC on Receipt:	Satisfactory

13. ENVIRONMENTAL CONDITION : Temperature: 20.17 °C, Humidity: 58.91 %RH
Ambient Pressure: : 910.2 hpa, Water Temperature: 20 °C

14. DUC DETAILS:

Nomenclature :	Micropipette	Serial. No:	YE186AL0014288
Make & Model :	'-- & DRAGON LAB	Code/ID No :	CPD/EQP/02
Range :	100 to 1000 µl	Resolution:	5 µl
Location:	Laboratory		

15. STANDARD INSTRUMENT USED:

Nomenclature:	Electronic Semi Micro Balance	Serial. No:	33604236
Make / Model :	Sartorius / CPA225D	Cal Due Date:	10-09-2024
Range :	0 to 220g	Traceable to:	True Value Calibration Services Pvt. Ltd., Chennai
Certificate No:	TVCSPL 23/09/991-01		

16. CALIBRATION RESULTS:


Parameter: Volume

Sl. No.	DUC Value	Standard value	Systematic Error	Permissible Systematic Error ±	Random Error	Permissible Random Error ±	Measurement Uncertainty±
	µl	µl	µl	µl	µl	µl	µl
1	100	100.17	-0.17	0.80	0.10	0.30	0.16
2	500	502.57	-2.57	4.00	0.25	1.50	0.46
3	1000	1005.25	-5.25	8.00	0.12	3.00	0.46

17. REMARKS & CONCLUSION:

- Reported Values of DUC are Average of 10 Measuring Series.
- The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.
- Calibration certificate issued for Pipette is used for scientific or industrial purpose only.
- Calibration of pipette is done as per ISO8655-6 & Permissible Systematic & Random error are given as per ISO 8655-2
- Coefficient of cubic thermal expansion (°C⁻¹ × 10⁻⁶) of Borosilicate Glass 5.0 is 15 × 10⁻⁶.
- The measurement data reported is "As found" - Without any Adjustment.
- This Certificate refer only to particular item submitted for Calibration.
- Volume at the reference temperature of 27°C, V27 from the apparent mass of water.
- The Std.used for calibration are calibrated and Traceable to National/International Standards.

Calibrated By


MOHAN KUMAR
CALIBRATION ENGINEER



End of certificate

Authorized Signatory


MANJUNATH CHANDAKI
DY TECHNICAL MANAGER

FM-GL-67

Note : 1) This Certificate refer only to particular item submitted for calibration. 2) The Calibration results reported are valid at the time of and under the stated conditions of the measurements. 3) The Calibration Certificate shall not be reproduced except in full without prior permission of the Laboratory. 4) The certificate of calibration shall not be utilized for any legal purpose in the court of law for which no responsibility will be associated to M/s. Reltec Calibration Pvt. Ltd. 5) Any error in the certificate should be brought to our lab within 45 days from the date of issue of certificate.