RCPL
When Quality Matters

Reltec Calibration Pvt. Ltd.

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CC-2215

CALIBRATION CERTIFICATE

1. Customer Name:	M/s. CHRONEVA HEALTH LAB PRIVATE LIMITED., The Orclid No-68, Ground Floor, 9th main, HMT Layout, RT Nagar, Bengaluru-560032.	*6. Certificate No:*	RCPL/23-24/ML/I5294-02
		7.ULR No:	CC221523000014453F
		8.Date of Issue:	02-11-2023
2. SRF No:	I5294	*9.Date of Calibration:*	26-10-2023
3. Date of SRF/Receipt:	18-10-2023	*10. Next Cal Due:*	25-10-2024
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:* 20.84 °C, *Humidity:* 58.33 %RH

Ambient Pressure: : 911.5 hpa, *Water Temperature:* 20.2 °C

14. DUC DETAILS:

Nomenclature :	Micropipette	*Serial. No:*	SW13151
Make & Model :	Thermo Scientific & Finnpippete F3	*Code/ID No :*	CHVL_BLR_MP1_006
Range :	5 - 50 µl	*Resolution:*	0.1 µl

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	11	10.90	0.10	0.2	0.07	0.1	0.16
2	30	29.84	0.16	0.5	0.09	0.2	0.16
3	50	49.80	0.20	0.5	0.08	0.2	0.16

17. REMARKS & CONCLUSION:

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

Calibrated By

NAGARAJ
CALIBRATION ENGINEER

End of certificate

Authorized Signatory

MANJUNATH CHANDAKI
DY TECHNICAL MANAGER

Reltec Calibration Pvt. Ltd. Bengaluru

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