When Quality Matters

Reltec Calibration Pvt. Ltd.

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NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

Certificate No.: CC-2215

CALIBRATION CERTIFICATE

1. Customer Name:	**M/s.CARE DIAGNOSTICS,** 3rd Cross , Opp.ICIC Bank, Neeladri Nagar, Electronic City, Phase-1, Bangalore-100	*6. Certificate No:*	RCPL/20-21/ML/I2791-02
		7.ULR No:	CC221521000000402F
		8.Date of Issue:	23-01-2021
2. SRF No:	I2791	*9.Date of Calibration:*	23-01-2021
3. Date of SRF/Receipt:	23-01-2021	*10. Next Cal Due:*	22-01-2022
4. Discipline:	Mechanical Calibration	*11. Calibration SOP no:*	RCPL/SOP/ML-21
5. Calibrated At:	Mass & Volume Lab	*12. Condition of DUC on Receipt:*	Good

13. ENVIRONMENTAL CONDITION : Temperature: 21.36°C , Humidity: 52.74%RH
Ambient Pressure: 911.8hpa, Water Temperature: 19.6°C

14. DUC DETAILS:

Nomenclature :	Micropipette	*Serial. No:*	QW03924
Make & Model :	ThermoScientific & Finnpipette F3	*Code/ID No :*	----
Range :	100-1000 µl	*Resolution:*	1 µl

15. STANDARD INSTRUMENT USED:

Nomenclature:	Electronic Semi Micro Balance	*Serial. No:*	33604236
Make / Model :	Sartorius / CPA225D	*Cal Due Date:*	16-09-2021
Range :	0 to 220g	*Traceable to:*	True Value Calibration Services Pvt. Ltd., Chennai
Certificate No:	TVCSPL 20/09/818-02		

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	99.83	0.17	0.80	0.26	0.30	0.21
2	500	503.63	-3.63	4.00	0.21	1.50	0.61
3	1000	1004.55	-4.55	8.00	0.30	3.00	0.61

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*
d. *Coefficient of cubic thermal expansion (°C−1 × 10−6) of Borosilicate Glass 5.0 is 15 * 10^-6.*
e. *The mesurement data reported is "As found "- Without any Adjustment.*
f. *This Certificate refer only to particular item submitted for Calibration.*
g. *Volume at the reference temperature of 27°C, V27 from the apparent mass of water.*
h. *The Std.used for calibration are calibrated and Traceable to National/International Standards.*

Calibrated By

NETRAVATI N G
CALIBRATION ENGINEER

Reltec Calibration Pvt. Ltd. Bangalore

Authorized Signatory

MANJUNATH CHANDAKI
DY TECHNICAL MANAGER

FM-GL-67