



When Quality Matters.

# Reltec Calibration Pvt. Ltd.

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Certificate No.:  
CC-2215

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

## CALIBRATION CERTIFICATE

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1. Customer Name:	M/s. PRIMA DIAGNOSTICS, No.93, 1st A Main Road, 1st Phase, Sec.A, Yelahanka New Town, Bangalore-560064	6. Certificate No:	RCPL/21-22/ML/I3257-02
		7. ULR No:	CC221521000007794F
		8. Date of Issue:	26-08-2021
2. SRF No:	I3257	9. Date of Calibration:	26-08-2021
3. Date of SRF/Receipt:	25-08-2021	10. Next Cal Due:	25-02-2022
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: 21.23°C , Humidity: 52.66% RH  
Ambient Pressure: 912.8hpa, Water Temperature: 19.7°C

### 14. DUC DETAILS:

Nomenclature :	Micropipette	Serial. No:	PW06684
Make & Model :	ThermoScientific & Finnpiptette F3	Code/ID No :	----- PD-YH/LGI/jm/02
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:	16-09-2021
Range :	0 to 220g	Traceable to:	True Value Calibration Services Pvt. Ltd., Chennai
Certificate No:	TVCSPPL 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	10	10.02	-0.02	0.10	0.06	0.08	0.21
2	20	20.16	-0.16	0.20	0.05	0.10	0.21
3	50	50.40	-0.40	0.50	0.09	0.20	0.21

### 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 ( $^{\circ}\text{C}^{-1} \times 10^{-6}$ ) of Borosilicate Glass 5.0 is  $15 \times 10^{-6}$ .
- 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

NETRAVATI N G  
CALIBRATION ENGINEER



Authorized Signatory

MANJUNATH CHANDAKI  
DY TECHNICAL MANAGER

FM-GL-67