




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/I2791-01				
		7.UILR No:	CC221521000000401F				
		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: 21.34°C , Humidity: 52.66% RH Ambient Pressure: 913.9hpa, Water Temperature: 19.6°C							
14. DUC DETAILS:							
Nomenclature :	Micropipette	Serial. No:	325034				
Make & Model :	MERIL & MERILETTE	Code/ID No :	-----				
Range :	5-50 µl	Resolution:	0.5 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				
Certificate No:	TVCSPL 20/09/818-02		Services Pvt. Ltd., Chennai				
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	10.08	-0.08	0.10	0.03	0.08	0.21
2	20	19.96	0.04	0.20	0.09	0.10	0.21
3	50	49.88	0.12	0.50	0.12	0.20	0.21
17. REMARKS & CONCLUSION:							
<p>a. Reported Values of DUC are Average of 10 Measuring Series.</p> <p>b. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.</p> <p>c. Calibration certificate issued for Pipette is used for scientific or industrial purpose only.</p> <p>d. Calibration of pipette is done as per ISO8655-6 & Permissible Systematic & Random error are given as per ISO 8655-2</p> <p>d. Coefficient of cubic thermal expansion (°C-1 × 10-6) of Borosilicate Glass 5.0 is 15 * 10^-6.</p> <p>e. The measurement data reported is "As found" - Without any Adjustment.</p> <p>f. This Certificate refer only to particular item submitted for Calibration.</p> <p>g. Volume at the reference temperature of 27°C, V27 from the apparent mass of water.</p> <p>h. The Std.used for calibration are calibrated and Traceable to National/International Standards.</p>							
Calibrated By				Authorized Signatory			
 NETRAVATIN G CALIBRATION ENGINEER				 MANJUNATH CHANDAKI DY TECHNICAL MANAGER			
							FM-GL-67