


CALIBRATION CERTIFICATE

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/13257-03				
2. SRF No:	13257	7.ULR No:	CC221521000007903F				
3. Date of SRF/Receipt:	25-08-2021	8.Date of Issue:	28-08-2021				
4. Discipline:	Mechanical Calibration	9.Date of Calibration:	28-08-2021				
5. Calibrated At:	Mass & Volume Lab	10. Next Cal Due:	27-02-2022				
		11. Calibration SOP no:	RCPL/SOP/ML-21				
		12. Condition of DUC on Receipt:	Good				
13. ENVIRONMENTAL CONDITION : Temperature: 21.66°C , Humidity: 52.72%RH Ambient Pressure: 911.8hpa, Water Temperature: 19.6°C							
14. DUC DETAILS:							
Nomenclature :	Micropipette	Serial. No:	0418011575				
Make & Model :	Varipette a & ----	Code/ID No :	PD/YH/LGI/MP/03				
Range :	100-1000 µl	Resolution:	10 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:	TVCSP 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	100.66	-0.66	0.80	0.09	0.30	0.21
2	500	500.76	-0.76	4.00	0.15	1.50	0.61
3	1000	1006.40	-6.40	8.00	0.18	3.00	0.61
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  NETRAVATI N G CALIBRATION ENGINEER		 Authorized Signatory  NAGAPPA KANNUR DY TECHNICAL MANAGER					
FM-GL-67							