

Laboratory Calibration Laboratory, Narindra Scientific Industries, 1085/5, Kanta Complex, Old Allu Godown, Ambala Cantt., Haryana
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2436 **Page** 1 of 3
Validity 12.11.2018 to 11.11.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	DENSITY AND VISCOSITY			
1.	Alcoholmeter Hydrometer [§]	0 to 100.0 v/v %	1 % V/V	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 3608
2.	Beaume Hydrometer [§]	0.0 °Be to 70.0 °Be	0.1 °Be	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 1255
3.	Brix Hydrometer [§]	0.0 °Bx to 70.00 °Bx	0.10 °Bx	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 7324
4.	Density Hydrometer [§] (L-50) LC.: 0.0005 g/ml	0.600 g/ml to 1.050 g/ml	0.0007 g/ml	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 3104-Part-1,2, and ASTM -126-05a
5.	Lactometer Hydrometer [§]	0 sp gr to 40 sp gr	0.8 sp gr	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 9485

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6.	Sikes Hydrometer [§]	0°sk to 100°sk	0.4 °sk	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 3608
7.	Specific Gravity Hydrometer [§]	1.000 sp gr to 1.800 sp gr	0.001 sp gr	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 3104-Part-1, 2
8.	Twaddle Hydrometer [§]	0 °Tw to 104 °Tw	0.25 °Tw	Using Standard Hydrometer and Liquid of Known Densities. Procedure Based on IS 3104
II.	VOLUME			
1.	Volumetric Glassware Burette [§]	1.0 ml to 100.0 ml	0.01 ml	Using Standard Balance Distilled Water of Known Density Procedure on ISO 4787
2.	Volumetric Glassware Measuring Cylinder, Volumetric Flask, Beaker and Glass Container Picknometer, Bottles [§]	1.0 ml to 250 ml 250 ml to 500 ml 500.0 ml to 1000.0 ml 1000.0 ml to 2000.0 ml 2000.0 ml to 5000.0 ml	0.05 ml 0.15 ml 0.2 ml 0.5 ml 2.0 ml	Using Standard Balance Distilled Water of Known Density Procedure on ISO 4787
3.	Volumetric Glassware Pipette [§]	0.1 ml to 100.0 ml	0.01 ml	Using Standard Balance Distilled Water of Known Density Procedure on ISO 4787

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<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	Liquid In Glass Thermometer [§]	(-) 50 °C to 50 °C	0.07 °C	Using Low Temperature Liquid (Alcohol/ Water Bath) Digital Thermometer With Sensor Probe
		50 °C to 150 °C	0.08 °C	Using Silicon Oil Bath Digital Thermometer With Sensor Probe
		150 °C to 300 °C	0.13 °C	Using Silicon Oil Bath Liquid In Glass Thermometer

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

[§]Only in Permanent Laboratory