Laboratory	**Shree Balaji Test House Pvt. Ltd. (Calibration Division), FCA-560, Chawla Colony, Ballabgarh, Haryana**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Certificate Number	**CC-2417**	**Page**	**1 of 4**
Validity	**12.10.2017 to 11.10.2019**	**Last Amended on**	**-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Dial Gauge[$] L.C.: 0.002 mm L.C.: 0.01mm	 0 to 25 mm 0 to 25 mm	 4.0 µm 7.9 µm	Using Dial Calibration Tester by Comparison Method
		45 µm to 3.35 mm	5.0 µm	Using Profile Projector by Comparison Method
		>3.35 mm to 120 mm	12.0 µm	Using Vernier Caliper by Comparison Method
3.	Vernier Caliper [$] (Digital/Dial) L.C.: 0.01 mm L.C.: 0.02 mm	 0 to 300 mm 0 to 600 mm	 15.3 µm 16.1 µm	Using Caliper Checker by Comparison Method
4.	Height Gauge[$] L.C.: 0.01 mm	 0 to 600 mm	 12.3 µm	Using Caliper Checker, '0' Grade Surface Plate by Comparison Method
II.	**WEIGHING SCALE AND BALANCE**			
	Weighing Balance [♣] Readability: 0.1 mg and Coarser	Up to 200 g	0.4 mg	Using F1 Class Weights/ OIML.R-76 (2006) & as per NABL 122 (3)
	Readability: 10 mg and Coarser	Up to 5 kg	30 mg	Using F1 Class Weights/ OIML.R-76 (2006) & as per NABL 122 (3)
	Readability: 1 g and Coarser	Up to 30 kg	1.3 g	Using F1 Class Weights/ OIML.R-76 (2006) & as per NABL 122 (3)

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	Readability: 10 g and Coarser	Up to 100 kg	23 g	Using F1 Class Weights/ OIML.R-76 (2006) & as per NABL 122 (3)
III.	**VOLUME**			
1.	Pipette[$]	0.1ml to 10 ml >10 ml to 50 ml	0.01 ml 0.02 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density, by Gravimetric Method as per IS: 4787(2010)
2.	Burette[$]	0.1 ml to 50 ml	0.03 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density by Gravimetric Method as per IS: 4787(2010)
3.	Measuring Cylinder [$] (graduated)	1 ml to 500 ml >500 ml to 1000 ml	0.2 ml 0.4 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density, by Gravimetric Method as per IS: 4787 (2010)
4.	Volumetric Flask /Jar/ Can[$] (Single Point)	1 ml to 1000 ml	0.08 ml	Using Standard Weights of Class F1, Precision Balance & Distilled water of known density by Gravimetric Method as per IS: 4787(2010)

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
5.	Blaine Cell Volume[$]	1.5 cm^3 to 2.0 cm^3	0.01 cm^3	Using Standard Weights of Class F1 & Precision Balance & by Gravimetric Method as per IS: 4031 Part-II
IV.	**PRESSURE INDICATING DEVICES**			
1.	Pressure (Hydraulic)[#] Dial/ Digital Pressure Gauge	0 to 650 kg/cm^2	0.65 kg/cm^2	Using Digital Pressure Gauge/ Hydraulic Comparator Pump
V.	**UTM, TENSION CREEP AND TORSION TESTING MACHINE**			
1.	Force [♣] Compression Testing Machine / UTM in Compression Mode (Class – 1)	20 kN to 2000 kN	0.88 %	Using Force Proving Rings as per IS: 1828 (Part-1): 2015

Laboratory	**Shree Balaji Test House Pvt. Ltd. (Calibration Division), FCA-560, Chawla Colony, Ballabgarh, Haryana**		
Accreditation Standard	**ISO/IEC 17025: 2005**		
Certificate Number	**CC-2417**	**Page**	**4 of 4**
Validity	**12.10.2017 to 11.10.2019**	**Last Amended on**	**-**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	THERMAL CALIBRATION			
I.	**TEMPERATURE**			
1.	Temperature Indicator With Sensor/Digital Thermometer / Glass Thermometer[$]	40°C to 240°C	0.66 °C	Using Digital Temperature indicator with RTD sensor / Oil Bath /Dry Block Bath Comparison Calibration
2.	Temperature Indicator with Sensor of Liquid Baths, Oven, Furnace[♣]	50°C to 250°C 250°C to 300°C	2.31 ˚C 2.51 °C	Using Digital Temperature indicator with RTD sensor / Single position calibration (At Specified location in DUC)
II.	**SPECIFIC HEAT & HUMIDITY**			
1.	Humidity / Temperature Indicators with Sensor of Chamber[♣]	30% RH to 95% RH ≈ 25°C 20°C to 50°C ≈ 50%RH	3.29 % RH ≈ 25 °C 1.4 °C ≈ 50 RH	Using Digital Thermo Hygrometer with Sensors / Single Position Calibration (At Specified location in DUC)

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$]Only in Permanent Laboratory
[♣]Only for Site Calibration
[#] The laboratory is also capable for site calibration however, the uncertainty at site depends on the prevailing actual environmental conditions and master equipment used.

Sangeeta Kunwar
Convenor

Avijit Das
Program Director