

Laboratory Faber Sindoori Management Services Private Limited, 25 & 26,
7th Floor, Prince Towers, College Road, Nungambakkam, Chennai,
Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2173

Page 1 of 5

Validity 26.12.2017 to 25.12.2019

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
I. PRESSURE INDICATING DEVICES				
1.	Pressure Gauges, Pressure Transducer, Pressure Transmitter & Pressure Indicators [#]	0 to 20 bar 0 to 700 bar	0.008 bar 0.19 bar	Using Pressure Calibrator by Comparison Method as per (DKD-R-6-1) and NABL 122-13
2.	Vacuum Gauges & Transmitter [#]	(-) 0.85 bar to 0 bar	0.006 bar	Using Pressure Calibrator by Comparison Method as per (DKD-R-6-1) and NABL 122-13
II. ACCELERATION AND SPEED				
1.	Speed Digital Tachometer (Non-Contact Type) [§]	300 RPM to 14000 RPM	0.36 %rdg	Using Digital Tachometer by Direct Method with reference to FSMS/CL/06/0001 & SANAS TR 45-01
2.	Centrifuge* RPM Indicators	100 RPM to 23000 RPM >23000 RPM to 80000 RPM	0.59 % rdg 0.21 % rdg	Using Digital Tachometer by Direct Method with reference to FSMS/CL/06/0001 & SANAS TR 45-01

Mohit Kaushik
Convenor

Avijit Das
Program Director

Laboratory

Faber Sindoori Management Services Private Limited, 25 & 26,
7th Floor, Prince Towers, College Road, Nungambakkam, Chennai,
Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2173

Page 2 of 5

Validity 26.12.2017 to 25.12.2019

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
III.	WEIGHTS			
1.	Mass ^s Class F2 and Coarser	1 mg 2 mg 5 mg 10 mg 20 mg 50 mg 100 mg 200 mg 500 mg 1 g 2 g 5 g 10 g 20 g 50 g 100 g 200 g	0.02 mg 0.01 mg 0.02 mg 0.02 mg 0.01 mg 0.02 mg 0.02 mg 0.02 mg 0.02 mg 0.03 mg 0.03 mg 0.03 mg 0.03 mg 0.02 mg 0.03 mg 0.07 mg 0.11 mg 0.16 mg	Using E2 Class Standard Weights and Semi Micro Balance with Readability of 0.01 mg / 0.1 mg as per OIML R 111-1
IV.	WEIGHING SCALE AND BALANCES			
1.	Electronic / Analog Weighing Balances* Class II and Coarser	1 mg to 200 g d= 0.1 mg	0.16 mg	Using E2 Class Standard Weights for as per OIML R-76-1
	Class III and Coarser	>200 g to 15 kg d= 0.5 g	0.30 g	Using M1 Class Standard Weights for as per OIML R-76-1
		>15 kg to 200 kg d= 0.1 kg	57.7 g	

Mohit Kaushik
Convenor

Avijit Das
Program Director

Laboratory Faber Sindoori Management Services Private Limited, 25 & 26,
7th Floor, Prince Towers, College Road, Nungambakkam, Chennai,
Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2173

Page 3 of 5

Validity 26.12.2017 to 25.12.2019

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
V.	VOLUME			
1.	Volume Micropipette ^{\$}	10 μ l to 100 μ l > 100 μ l to 1000 μ l	0.07 μ l 0.35 μ l	Using Semi Micro Balance with Readability of 0.01 mg and Distilled Water of known Density by Gravimetric Method as per ISO 8655-6
2.	Pipette / Burette ^{\$}	1 ml to 50 ml	0.35 ml	Using Semi Micro Balance with Readability of 0.01 mg and Distilled Water of known Density by Gravimetric Method as per ISO 4787
3.	Volumetric Flask / Graduated Measuring Cylinder ^{\$}	1 ml to 100 ml	0.45 ml	Using Semi Micro Balance with Readability of 0.01 mg / 0.1 mg and Distilled Water of known Density by Gravimetric Method as per ISO 4787

Mohit Kaushik
Convenor

Avijit Das
Program Director

Laboratory Faber Sindoori Management Services Private Limited, 25 & 26,
7th Floor, Prince Towers, College Road, Nungambakkam, Chennai,
Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2173

Page 4 of 5

Validity 26.12.2017 to 25.12.2019

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	Temperature-RTD, Thermocouple with and without Indicator, Bimetallic Thermometers, Temperature Switch [§]	(-) 80°C to 25°C	0.54 °C	Using Standard RTD (PT 100) / DMM, Low Temperature Liquid Bath
		>25°C to 50°C	0.54 °C	
		>50°C to 400°C	1.18 °C	
2.	Temperature Indicator with Sensor of (Water Bath, Refrigerator, Oven / Incubator, Deep Freezer, Temperature Bath, Liquid Bath, Dry Bath with Controller [*]	(-) 80°C to 0°C	0.81 °C	Using Secondary RTD (Pt 100) and RTD Calibrator by Comparison at Single Specified Position
		>0° to 400°C	0.87 °C	
II.	SPECIFIC HEAT AND HUMIDITY			
1.	RH/Temperature Indicator with Sensor/ Thermo Hygrometer [§]	@25°C 18 % RH to 80 % RH	2.18 % RH	Using Standard Temp/ RH Indicator with Sensor By Comparison Using RH Chamber
		10°C to 50°C	1.1 °C	Using RTD / DMM by Comparison Using Low Temp Chamber

Mohit Kaushik
Convenor

Avijit Das
Program Director

Laboratory Faber Sindoori Management Services Private Limited, 25 & 26,
7th Floor, Prince Towers, College Road, Nungambakkam, Chennai,
Tamil Nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2173

Page 5 of 5

Validity 26.12.2017 to 25.12.2019

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
2.	RH & Temperature Chamber / Climatic Chamber*	@25°C 18%RH to 80%RH 10°C to 50°C	2.2 %RH 1.1°C	Using Standard Temp / RH Indicator with Sensor by Comparison At Single Specified Position

* Measurement Capability is expressed as an uncertainty (\pm) 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.

Mohit Kaushik
Convenor

Avijit Das
Program Director