

Laboratory

GSG Instruments Pvt. Ltd.-Calibration Laboratory, # 316, School Street, Chettipedu Village, Sriperumbudur, Kanchipuram Dist., Tamil nadu

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number

CC-2792

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Validity

06.08.2018 to 05.08.2020

Last Amended on -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
7.	Lever Dial Gauge [§] (Dial/Digital) L.C.: 0.001 mm L.C.: 0.01 mm	0 to 0.14 mm 0 to 1.6 mm	1.52 μ m 5.87 μ m	Using Dial Calibration Tester
8.	Dial Thickness Gauge [§] L.C.: 0.01 mm	0 to 25 mm	5.78 μ m	Using Gauge Block
9.	Dial Bore Gauge [§] Span dia.	1 mm (Transmission Error)	4.46 μ m	Using Dial Calibration Tester And Dial Gauge
10.	LVDT / Electronic Probe With DRO [§] L.C.:0.001mm	0 to 150 mm	1.82 μ m	Using Gauge Block
11.	Feeler Gauge [§]	0.01 mm to 2 mm	2.31 μ m	Using Digimatic Micrometer
12.	Comparator Stand [§]	300 mm X 300 mm	3.07 μ m	Using Lever Dial Gauge
13.	Straight Edges [§]	Up to 1000 mm	12 μ m	Using Gauge Block And Lever Dial Gauge
14.	Snap Gauge [§]	3 mm to 100 mm	3.12 μ m	Using Gauge Block

Shally Sharma
Convenor

Anuja Anand
Program Manager

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
III.	WEIGHING SCALE AND BALANCE			
1.	Calibration of Electronic Weighing Balance*			
	Readability = 0.1 mg Readability = 2 g	Up to 200 g 200 g to 30 kg	1.5 mg 35 g	Using F1 Class Standard Weights as per OIML-R-76
	Readability = 10 g Readability = 50 g	30 kg to 100 kg 100 kg to 300 kg	58 g 0.12 kg	Using F1 & M1 Class Standard Weights as per OIML-R-76
IV.	ACOUSTICS			
1.	Sound Level Meter [§]	30 dB to 130 dB	1.1 dB	Using Sound Level Calibrator as per OIML- R-58
V.	ACCELERATION & SPEED			
1.	Non Contact Type Tachometer & RPM Indicator [§]	100 rpm to 90,000 rpm	1.34 % rdg to 0.65 % rdg.	Using Digital Tachometer
2.	Non Contact Type RPM Indicators, Centrifuges*	100 rpm to 10,000 rpm	0.65 % rdg.	Using Digital Tachometer

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
7.	Temperature Indicator with sensor of equipments eg: Thermal Chambers /Furnaces / Ovens / Incubators (Non-Medical Applications)/ Dry Block Furnace / Water Bath / Deep, Autoclaves (Non-Medical Applications), Freezers *	(-) 80 °C to 300 °C 50 °C to 1200 °C	0.91 °C 3.45 °C	Using RTD Sensor with Multi Channel Temperature Recorder Using Thermocouple Type – N & Multi Channel Temperature Recorder Multi Position Calibration
II.	SPECIFIC HEAT AND HUMIDITY			
1.	Analog / Digital Thermo Hygrometers, Thermo Hygrographs / Humidity Sensors / Data Loggers / Transmitters [§]	20% RH to 95% RH @ 20 °C to 60 °C	2.55% RH 1.05 °C	Using Digital Temperature & RH Indicator with sensor and humidity chamber By Comparison Method
2.	Humidity & Temperature Indicator of Environmental Chambers / Humidity Chambers*	20% RH to 95% RH @ 20 °C to 60 °C	2.37% RH 0.85°C	Using Digital Temperature & RH Indicator with Sensor Single Position Calibration

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
3.	Indicators of Humidity Chambers / Environmental Chambers /Climatic Chambers*	20% RH to 95% RH @ 20 °C to 60 °C	2.7% RH 1.82°C	Using RH & Temperature Data loggers Multi Position Calibration

* 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.

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