

Laboratory SP Calibration Labs, Plot No. 34/Part, H. No. 2-1-328/2, 2nd Floor,
 Road No. 2, Sai Ram Nagar Colony, Nagole, Hyderabad, Telangana
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2360 **Page** 1 of 4
Validity 30.05.2018 to 29.05.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>MECHANICAL CALIBRATION</u>				
1.	PRESSURE INDICATING DEVICES			
1.	Digital and Dial Pressure Gauges/ Pressure Transmitters/ Controllers/ Switch (Pneumatic Pressure) #	0 to 30 bar	0.025 bar	Using Digital Pressure Gauge By Comparison method as per DKD-R-6-1
2.	Digital & Dial Vacuum Gauges & Transmitters/ Switch (Vacuum) #	(-) 0.85 bar to 0 bar	0.006 bar	Using Digital Pressure Gauge By Comparison method as per DKD-R-6-1
3.	Digital & Dial Pressure Gauges/ Pressure Transmitters/ Controllers/ Switch (Hydraulic Pressure) #	0 to 700 bar	0.38 bar	Using Digital Pressure Gauge By Comparison Method as per DKD R-6-1
4.	Differential Pressure Gauge, Magnehelic Gauge, Differential Pressure Switch & Transmitter #	0 to 100 mbar	0.028 mbar	Using Digital Pressure Gauge By Comparison Method as per DKD R-6-1

Dheeraj Chawla
 Convenor

Avijit Das
 Program Manager

Laboratory SP Calibration Labs, Plot No. 34/Part, H. No. 2-1-328/2, 2nd Floor,
 Road No. 2, Sai Ram Nagar Colony, Nagole, Hyderabad, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2360 **Page** 2 of 4

Validity 30.05.2018 to 29.05.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
II.	ACCELERATION & SPEED			
1.	Non-Contact Type Digital Tachometer, Centrifuges / RPM Test Rigs / Stirrers / Blower RPM/ Motor RPM/ RPM Indicators #	12 RPM to 500 RPM >500 RPM to 95000 RPM	0.161 RPM to 1.31 RPM 1.73 RPM to 3.54 RPM	Using Digital Tachometer Calibrator by Direct Method as per SANAS TR-45 Using Digital Tachometer by Comparison Method as per SANAS TR-45
III.	ACOUSTICS			
1.	Acoustic Pressure ³	@ 1 kHz 94 dB @ 1 kHz 114 dB	0.732 dB	Using Sound Level Calibrator By Direct Method

Dheeraj Chawla
 Convenor

Avijit Das
 Program Manager

Laboratory SP Calibration Labs, Plot No. 34/Part, H. No. 2-1-328/2, 2nd Floor,
Road No. 2, Sai Ram Nagar Colony, Nagole, Hyderabad, Telangana

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2360 **Page** 3 of 4

Validity 30.05.2018 to 29.05.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
<u>THERMAL CALIBRATION</u>				
I.	TEMPERATURE			
1.	Glass Thermometers, RTD/Thermocouple with and without Indicator, Controller, Transmitter with Sensor Temperature Gauges, Multi-Channel DataLogger [#]	(-) 80 °C to 50 °C (-) 35 °C to 100 °C 50 °C to 600 °C	0.25 °C 0.81 °C 0.83 °C	Using Digital Thermometer with Sensor & Liquid Bath Dry Baths By Comparison Method
2.	Temperature Indicator of Bath, Freezers, Chambers, Ovens, Water Bath, Incubators, Lyophilizer, DHS, Auto Clave, Tunnel (Single Point) [#]	(-) 80 °C to 50 °C (-) 35 °C to 100 °C 50 °C to 600 °C	0.25 °C 0.81 °C 0.83 °C	Using Digital Thermometer with Sensor By Direct Method
3.	Freezers, Chambers, Ovens, Incubators, BOD Incubators, Tunnel, DHS, and Water Bath, Auto Claves, Lyophilizer [*]	(-) 95 °C to 250 °C	1.2 °C	Using Temperature Multichannel Data Logger with RTD Sensor By Direct Method and as per IEC 600068-3-11
II.	SPECIFIC HEAT & HUMIDITY			
1.	Relative Humidity (RH) Indicator, Transmitter & Hygrometer T & RH Data Loggers [#]	5 °C to 50 °C @ 50 % rh 10 % to 90 % @ 25 °C	0.44 °C 0.93 % rh	Using Temperature & RH Indicator with Sensor & Humidity Chamber By Comparison method

Dheeraj Chawla
Convenor

Avijit Das
Program Manager

Laboratory SP Calibration Labs, Plot No. 34/Part, H. No. 2-1-328/2, 2nd Floor,
 Road No. 2, Sai Ram Nagar Colony, Nagole, Hyderabad, Telangana
Accreditation Standard ISO/IEC 17025: 2005
Certificate Number CC-2360 **Page** 4 of 4
Validity 30.05.2018 to 29.05.2020 **Last Amended on** -

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (\pm)	Remarks
2.	Humidity Chamber/ Environmental Chamber, Rooms*	5 °C to 50 °C 20 % to 87 %	0.92 °C 1.9 % rh	Using Temperature/ Humidity Data Loggers By Direct Method and as per IEC 600068-3-11

* 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.

Dheeraj Chawla
Convenor

Avijit Das
Program Manager