



National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :

NATIONAL CENTRE FOR QUALITY CALIBRATION, 4, ABHISHREE CORPORATE PARK, ISCKON-AMBLI ROAD, AMBLI, AHMEDABAD, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard

ISO/IEC 17025:2017

Certificate Number

CC-2128

Page No

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Validity

11/04/2020 to 10/04/2022

Last Amended on

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S.No	Discipline / Group	Measurand or Reference Material/Type of instrument or material to be calibrated or measured / Quantity Measured /Instrum	Calibration or Measurement Method or procedure	Measurement range and additional parameters where applicable(Range and Frequency)	* Calibration and Measurement Capability(CMC)(±)
277	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Chamber / Environmental Chamber Thermo-Hygrometer, Data Logger, Humidity Transmitter, Dry & Wet Bulb Thermometer, Humidity Meter with Sensor, Humidity Transmitter / Transducer	Using Temperature & Humidity Indicator with Sensor, Humidity Generator with Chamber & Temperature / Humidity Calibrator by Comparison Method	0 °C to 50 °C	1.84°C
278	THERMAL-SPECIFIC HEAT & HUMIDITY	Temperature & Humidity Chamber / Environmental Chamber Thermo-Hygrometer, Data Logger, Humidity Transmitter, Dry & Wet Bulb Thermometer, Humidity Meter with Sensor, Humidity Transmitter / Transducer	Using Temperature & Humidity Indicator with Sensor, Humidity Generator with Chamber & Temperature / Humidity Calibrator by Comparison Method	20 % RH to 95 % RH	3.2% RH
279	THERMAL-TEMPERATURE	Black Body Furnace	Using Non-contact on-line Pyrometer / Infrared Thermometer	50 °C to 500 °C	4.82°C
280	THERMAL-TEMPERATURE	Black Body Furnace	Using Non-contact on-line Pyrometer / Infrared Thermometer	500 °C to 1200 °C	7.4°C



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281	THERMAL-TEMPERATURE	Data Logger with in-built Temperature Sensor (Wireless Type)	Using SSPRT with 6½ DMM & Temperature / Humidity Calibrator by Comparison Method	(-) 25 °C to 50 °C	0.78°C
282	THERMAL-TEMPERATURE	Freezer, Incubator, Environmental Chamber (Oven, Furnace)	Using RTD Sensors (Minimum 9) with Data Logger Multi Position Calibration	(-) 80 °C to 100 °C	4°C
283	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SSPRT Sensor with 6½ DMM & Liquid Temperature Bath by Comparison Method	(-) 80 °C to 50 °C	0.78°C
284	THERMAL-TEMPERATURE	Liquid in Glass Thermometer	Using SSPRT Sensor with 6½ DMM & Liquid Temperature Bath by Comparison Method	50 °C to 250 °C	1°C
285	THERMAL-TEMPERATURE	Non-contact Type Infrared Thermometer / Thermal Imaging Camera / Pyrometer - Temperature	Using High Stability Black Body Furnace & Non-contact on-line Pyrometer / Infrared Thermometer	100 °C to 500 °C	4.82°C
286	THERMAL-TEMPERATURE	Non-contact Type Infrared Thermometer / Thermal Imaging Camera / Pyrometer - Temperature	Using High Stability Black Body Furnace & Non-contact on-line Pyrometer / Infrared Thermometer	50 °C to 100 °C	4.82°C



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287	THERMAL-TEMPERATURE	Non-contact Type Infrared Thermometer / Thermal Imaging Camera / Pyrometer - Temperature	Using High Stability Black Body Furnace & Non-contact on-line Pyrometer / Infrared Thermometer	500 °C to 1200 °C	7.4°C
288	THERMAL-TEMPERATURE	Oven, Chamber, Furnace	Using RTD Sensors & K-Type Thermocouples (Minimum 9) with Data Logger Multi Position Calibration	100 °C to 250 °C	4°C
289	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator / Recorder / Controller, Digital Thermometer, Temperature Gauge, Transducer, Transmitter	Using SSPRT Sensor with 6½ DMM & Liquid Nitrogen by Comparison Method	(-) 196 °C	0.45°C
290	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator / Recorder / Controller, Digital Thermometer, Temperature Gauge, Transducer, Transmitter	Using SSPRT Sensor with 6½ DMM & Temperature Bath by Comparison Method	(-) 80 °C to 50 °C	0.78°C



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291	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator / Recorder / Controller, Digital Thermometer, Temperature Gauge, Transducer, Transmitter	Using SSPRT Sensor with 6½ DMM with Temperature Bath by Comparison Method	50 °C to 650 °C	2.2°C
292	THERMAL-TEMPERATURE	RTD / Thermocouple with or without Indicator / Recorder / Controller, Digital Thermometer, Temperature Gauge, Transducer, Transmitter	Using S-Type Thermocouple with Temperature Calibrator & Dry Block Furnace by Comparison Method	650 °C to 1200 °C	3.9°C
293	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Dry Block Calibrator	Using S-Type Thermocouple with Temperature Calibrator Single Position Calibration	250 °C to 1200 °C	3.7°C
294	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Liquid Bath, Dry Block Calibrator	Using SSPRT Sensor with 6½ DMM Single Position Calibration	(-) 80 °C to 50 °C	0.78°C
295	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Liquid Bath, Dry Block Calibrator	Using SSPRT Sensor with 6½ DMM Single Position Calibration	50 °C to 250 °C	1°C



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296	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Oven, Furnace, Chamber	Using SSPRT Sensor with 6½ DMM Single Position Calibration	100 °C to 400 °C	1.36°C
297	THERMAL-TEMPERATURE	Temperature Indicator with Sensor of Oven, Furnace, Chamber	Using S-Type Thermocouples with Temperature Calibrator Single Position Calibration	400 °C to 1200 °C	5.86°C