



NATIONAL CENTRE FOR QUALITY CALIBRATION

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CC-2128

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Precision Calibration with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time, Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.

Calibration Certificate

Name of Customer → Shree Vighnaharta Superspeciality Hospital 1-22, SN 159, Nahata Nagar, Nakane Road Dhule - 424002	Certificate No.	NCQC-TO/220523/02
	Date of Issue	23-05-2023
	Date of Calibration	22-05-2023
	Suggested Due Date	21-05-2024

Date Of Receipt / Ref. No. → As Per Onsite Calibration	F/CR/T/002/04/1, Issue No.01 Page 1 of 1
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ULR – CC212823000002945F	Discipline → Thermal Calibration Temperature
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Details of Observation of Unit Under Calibration	Identification No. :	SVH/RF-1
	Serial No. :	=====
	Name of Instrument :	Temp. Indicator with Sensor of Refrigerator

Range	2 to 8°C	Visual Inspection	OK
Resolution	1 °C	Make / Model	Bluestar / VC590D
Type	Digital	Location	Laboratory

Calibration Results

Reading Observed By UUC In °C	Reading Observed by 4 wire RTD with Indicator in °C	Absolute Error in °C	Expanded Uncertainty (k =2)
2	1.835	0.165	± 0.15 °C
4	3.857	0.143	± 0.15 °C
6	6.269	0.269	± 0.15 °C
8	7.758	0.242	± 0.15 °C

Remarks:

- ↪ Averages of minimum three readings are reported.
- ↪ Suggested due date is given based on customer requirements.
- ↪ Calibration points are given based on customer requirements.
- ↪ These results are obtained at the time of calibration.
- ↪ Relay on/off operations are found within ± 1 °C.
- ↪ Partial calibration is performed due to agreed with customer.
- ↪ Any hand written corrections (except @) or photocopies in the report invalidates this certificate.
- ↪ Environment condition during calibration: 25 ± 5°C, 30 to 75% Rh.
- ↪ Location of Performance of Calibration → At Site.
- ↪ The uncertainties are for a confidence probability of not less than 95%.
- ↪ Average temperature → 25.9 °C and average humidity 47 % Rh during calibration of instruments.
- ↪ Reference calibration method no.: NCQC/CM/T/002.
- ↪ Our masters are directly calibrated through NABL accredited calibration lab having direct traceability with national / International standard.
- ↪ Refrigerator was used as a source for generating temperature as well as controlling temperature at Specified set points.

Details of Master Instrument Used for Calibration

Nomenclature	Make / Model	Id. No. / Sr. No.	Calibration Due Date
4 wire RTD with Indicator	Tempens / TPRT-100	NCQC/T-235 /23000299 (RTD)	25-09-2023
	Tempens / TEMPMET-09	NCQC/T-236 / T0064 (Indicator)	

NCQC System Certificate No.	Certificate No. & Traceability of Master with National Standards
435	↪ Our master 4 wire RTD with Indicator is calibrated and traceable to National Standard through NABL accredited Lab. Tempens Calibration centre, Certificate No. TL/022/1068.2.1, Date - 26-09-2022.

Traceable To National / International Standards.

Calibrated By		Reviewed and Approved By	
	Chintan Patel		Jigar Panchal

NCQC DEFINES CALIBRATION AS "PRECISION AND RELIABILITY OF INSTRUMENTS FOR YOUR BETTER TOMORROW"