



# GLOBAL QUALITY CALIBRATION SYSTEM

# 1157/7/2, 5th Cross, Prakash Nagar, Rajajinagar, Bangalore - 560021.  
Contact Info : Email:-gqcs123@gmail.com Mob : 9353598850 / 9964476914



## Certificate of Calibration

|  |                              |                   |                           |
|--|------------------------------|-------------------|---------------------------|
| Format No  | GQCS/Form/03                 | Page              | 1 of 1                    |
| SRF NO & Date  | GQCS/23/008/002 & 02.08.2023 | Field             | Thermal                   |
| GQCS ID  | TH-0823097                   | ULR No:           | CC3460230000000271F       |
| <b>Name &amp; Address of the Customer</b>              |                              | Certificate No:   | GQCS/2023-2024/08/002-003 |
| M/s., Precise Health care                              |                              | Calibration Date: | 02.08.2023                |
| No.27/1, 4th Main road, Hosakerehalli, dattareya Nagar |                              | Due Date:         | 01.08.2024                |
| BSK 3rd Stage, Bengaluru-560085                        |                              | Issue Date:       | 04.08.2023                |

### DUC Details

|  |  |                          |            |
|--|--|--------------------------|------------|
| Instrument Name  | Digital Thermhygrometer with external Sensor | SI No:                   | B14821     |
| Make   | Beetech                                      | ID No:                   | -----      |
| Model No   | 288CTH-2                                     | Location                 | Laboratory |
| Range  | -20 to 70 °C                                 | DUC Condition            | ok         |
| Resolution/ LC   | 0.1°C  | Calibration Performed at | Inhouse    |
| Accuracy   | ±1°C   |                          |            |
| Standard Equipments Used(Traceable To National Standard) |  |                          |            |

| Sl. No.                 | Nomenclature                             | Traceble to | Sl. No / Id.No.   | Cal Certificate Number  | Date of Calibration | Due Date On              |
|-------------------------|--|-------------|-------------------|-------------------------|---------------------|--------------------------|
| 1                       | RTD Sensor With 6 1/2 Digital Multimeter | MKS         | 050/GET841781     | MKS/TH/23-24/16-01      | 05.05.2023          | 05.05.2024               |
| Environmental Condition |  | Temp        | Relative Humidity | Reference Standard      |                     | Calibration Procedure No |
|                         |  | 24.1°C      | 56% RH            | As per ITS 90,DKD-R-5-1 |                     | GQCS-TH-SOP-01           |

### Calibration Results:

| SI No. | Set Point in °C | DUC Reading in °C | STD Reading in °C | Error Observed in °C | Measurement Uncertainty ± °C |
|--------|-----------------|-------------------|-------------------|----------------------|------------------------------|
| 1      | -20.0           | -20.0             | -20.090           | 0.090                | 0.32                         |
| 2      | -10.0           | -10.0             | -10.090           | 0.090                | 0.32                         |
| 3      | 10.0            | 10.0              | 9.932             | 0.068                | 0.32                         |
| 4      | 20.0            | 20.0              | 20.000            | 0.000                | 0.33                         |
| 5      | 30.0            | 29.9              | 30.034            | -0.134               | 0.33                         |
| 6      | 40.0            | 39.9              | 40.122            | -0.222               | 0.32                         |

### Notes:

1. Calibration points selected as per customer request.
2. Statement of Conformity (As Per Customer Requested) : NO

### Remarks:

1. The calibration results reported corresponds to the particular item mentioned above
2. This Certificate refers to the values obtained at the time of calibration and under the above stated conditions.
3. All Calibrations are done in SI units and are traceable to National/International standards as required in ISO/IEC/17025
4. Certificate shall not be reproduced except in full without the written approval of Laboratory.
5. The reported uncertainty of measurement is stated as the standard uncertainty in measurement multiplied by the coverage factor k=2, which for a normal distribution corresponds to a coverage probability 95.45%.
6. The Usage of NABL Symbol is as per NABL Guideliness given in NABL-133

Calibrated By

Kiran kumar N D

(Calibration Engineer)

Checked By

Chethan kumar M

(Quality Manager)

Authorised Signatory

Arun kumar T

(Technical Manager)



\*\*\*\*\*End of Report\*\*\*\*\*





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|                         |                 |   |             |             |
|-------------------------|-----------------|---|-------------|-------------|
| Format No: GQCS/Form/03 |                 | Certificate No.: GQCS/2023-2024/08/002-03 |             | Page 2 of 2 |
| SRF No.:                | GQCS/23/008/002 | Issued On :                               | 04.08.2023  | Parameter   |
| SRF Date:               | 02-Aug-23       | Calibrated on:                            | 02.08.2023  |             |
| GQCS DUC ID             | TH-0823097      | Calibration Due on:                       | 0.1.08.2024 | Thermal     |

## Measurement Results

### TEMPERATURE ACCURACY:

| DUC Setting | DUC Reading | STD Reading | Error Observed | Measurement Uncertainty $\pm$ |
|-------------|-------------|-------------|----------------|-------------------------------|
| 30.0 % RH   | 30.0 % RH   | 30.40 %RH   | -0.40 %RH      | 1.90 %RH                      |
| 40.0 % RH   | 40.0 % RH   | 40.90 %RH   | -0.90 %RH      | 2.30 %RH                      |
| 60.0 % RH   | 61.0 % RH   | 61.90 %RH   | -0.90 %RH      | 2.30 %RH                      |
| 80.0 % RH   | 81.0 % RH   | 81.40 %RH   | -0.40 %RH      | 2.30 %RH                      |
| 90.0 % RH   | 91.0 % RH   | 91.50 %RH   | -0.50 %RH      | 2.30 %RH                      |

### Note:

1. Calibration points selected as per customer request.
2. Statement of Conformity (As Per Customer Requested) : No

\*\*\*\*\*End of Report\*\*\*\*\*

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