



# UNIQUE CALIBRATION SOLUTIONS LLP

An ISO/IEC-17025:2017 / ACCREDITED BY NABL - GOVT OF INDIA

Tel: 0484-4858563, 0484 - 7966984, 9971328563, 9061728563

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UNIQUE  
CALIBRATION & REPAIRS



NABL  
C.No.: CC-3102

## CALIBRATION CERTIFICATE

|                              |                      |
|------------------------------|----------------------|
| UNIQUE LAB REPORT NO(ULR NO) | : CC310220000001045F |
| SRF NO.                      | : 088                |
| Certificate No               | : UC SL/11-20/088_09 |

User Name : M/s MORRIS MATHIAS HOSPITAL  
355, KP ROAD, Dr MATHIAS NAGER, NAAGERCOIL,  
TAMIL NADU-629001

|                                   |                                       |  |
|-----------------------------------|---------------------------------------|--|
| Nomenclature                      | TEMPERATURE INDICATOR OF REFRIGERATOR |  |
| Make/Model                        | WHIRLPOOL                             |  |
| Range                             | 0 to 8 °C                             |  |
| Least Count                       | 0.1 °C                                |  |
| Instrument Id. No.                | MMH/REF/002                           |  |
| Instrument Sr. No.                | ---                                   |  |
| Location                          | BIOCHEMISTRY LAB                      |  |
| Visual Inspection                 | OK                                    |  |
| Material Receipt Date             | ---                                   |  |
| Calibration Performed at          | ON SITE                               |  |
| Date of Calibration               | 09.11.2020                            |  |
| Suggested Due Date of Calibration | 09.11.2021                            |  |
| Certificate Issue Date            | 14.11.2020                            |  |
| <b>ENVIRONMENTAL CONDITION</b>    |                                       |  |
| Temperature                       | (25 ± 5)°C                            |  |
| Relative Humidity                 | (60 ± 15)%RH                          |  |

### Equipment & Master Used For Calibration

|                                   |                              |
|-----------------------------------|------------------------------|
| <b>01. RTD sensor 4 WIRE</b>      |                              |
| Make                              | : KELVIN INSTRUMENTS&DEVICES |
| Sr. No                            | : 20021703                   |
| ULR No.                           | : CC232620000001578F         |
| Next Due Date                     | : 10-07-2021                 |
| Traceability                      | : STIC                       |
| <b>02. 6.5 DIGITAL MULTIMETER</b> |                              |
| Make                              | : FLUKE                      |
| Serial No.                        | : 8845A                      |
| Certificate No.                   | : TSC/20-21/2211-1           |
| Next Due Date                     | : 09-07-2021                 |
| Traceability                      | : TRANSCAL                   |

## OBSERVATION RESULTS

| SL NO. | NOMINAL VALUE (UUC)<br>(°C) | OBSERVED VALUE (MASTER) |         | (±) ERROR<br>(°C) | ± Expanded Uncertainty At 95%<br>Confidence Level (k=2) (°C) |
|--------|-----------------------------|-------------------------|---------|-------------------|--|
|        |                             | (°C)                    | (Ω)     |                   |  |
| 1      | 1.0                         | 1.05                    | 100.390 | -0.05             | 0.60   |
| 2      | 2.0                         | 2.09                    | 100.780 | -0.09             | 0.60   |
| 3      | 5.0                         | 5.11                    | 101.989 | -0.11             | 0.60   |
| 4      | 6.0                         | 6.10                    | 102.379 | -0.10             | 0.60   |
| 5      | 8.0                         | 8.15                    | 103.159 | -0.15             | 0.60   |

Calibration Procedure Based On : UC SL/SOP/01 -T (ITS-90)

### NOTE :-

1. The Calibration results reported in this certificate are valid at the time of and the stated condition of measurement.
2. This report should not be reproduced except in full without our prior permission in writing.
3. Calibration certificate without signature are not valid.
4. All our certificates are Traceable to National standard.
5. UUC : Unit under consideration , GUT : Gauge under testing .

Calibrated By  
F02(5.10/01-T)

Issued / Approved By  
(MANU MATHEW)  
Technical Manager



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**UNIQUE**  
CALIBRATION SOLUTIONS



NABL

C.No.: CC-3102

## CALIBRATION CERTIFICATE

|   |                                    |
|---|------------------------------------|
| UNIQUE LAB REPORT NO(ULR NO) : CC310220000001046F |                                    |
| SRF NO. : 088                                     | Certificate No : UCSL/11-20/088_10 |

User Name : M/s MORRIS MATHIAS HOSPITAL  
 355, KP ROAD, Dr MATHIAS NAGER, NAAGERCOIL,  
 TAMIL NADU-629001

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Nomenclature                      | TEMPERATURE INDICATOR OF REFRIGERATOR |
| Make/Model                        | WHIRLPOOL                             |
| Range                             | 0 to 8 °C                             |
| Least Count                       | 0.1 °C                                |
| Instrument id. No.                | MMH/REF/001                           |
| Instrument Sr. No.                | --                                    |
| Location                          | BIOCHEMISTRY LAB                      |
| Visual Inspection                 | OK                                    |
| Material Receipt Date             |                                       |
| Calibration Performed at          | ON SITE                               |
| Date of Calibration               | 09.11.2020                            |
| Suggested Due Date of Calibration | 09.11.2021                            |
| Certificate Issue Date            | 14.11.2020                            |
| <b>ENVIRONMENTAL CONDITION</b>    |                                       |
| Temperature                       | (25 ± 5)°C                            |
| Relative Humidity                 | (60 ± 15)%RH                          |

### Equipment & Master Used For Calibration

|                                   |                              |
|-----------------------------------|------------------------------|
| <b>01. RTD sensor 4 WIRE</b>      |                              |
| Make                              | : KELVIN INSTRUMENTS&DEVICES |
| Sr. No.                           | : 20021703                   |
| ULR No.                           | : CC232620000001576F         |
| Next Due Date                     | : 10-07-2021                 |
| Traceability                      | : STIC                       |
| <b>02. 6.5 DIGITAL MULTIMETER</b> |                              |
| Make                              | : FLUKE                      |
| Serial No.                        | : 8845A                      |
| Certificate No.                   | : TSC/20-21/2211-1           |
| Next Due Date                     | : 09-07-2021                 |
| Traceability                      | : TRANSCAL                   |

### OBSERVATION RESULTS

| SL NO. | NOMINAL VALUE (UUC)<br>(°C) | OBSERVED VALUE (MASTER) |         | (±) ERROR<br>(°C) | ± Expanded Uncertainty At 95%<br>Confidence Level (k=2) (°C) |
|--------|-----------------------------|-------------------------|---------|-------------------|--|
|        |                             | (°C)                    | (Ω)     |                   |  |
| 1      | 1.0                         | 1.08                    | 100.390 | -0.08             | 0.60   |
| 2      | 2.0                         | 2.08                    | 100.780 | -0.08             | 0.60   |
| 3      | 5.0                         | 5.10                    | 101.989 | -0.10             | 0.60   |
| 4      | 6.0                         | 6.13                    | 102.379 | -0.13             | 0.60   |
| 5      | 8.0                         | 8.17                    | 103.159 | -0.17             | 0.60   |

Calibration Procedure Based On : UCSL/SOP/01 -T (ITS-90)

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 Technical Manager



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NABL  
C.No.: CC-3102

## CALIBRATION CERTIFICATE

|   |                                     |
|---|-------------------------------------|
| UNIQUE LAB REPORT NO(ULR NO) : CC310220000001047F |                                     |
| SRF NO. : 088                                     | Certificate No : UCSSL/11-20/088_11 |
| User Name : M/s MORRIS MATHIAS HOSPITAL           |                                     |

355, KP ROAD, Dr MATHIAS NAGER , NAAGERCOIL,  
TAMIL NADU-629001

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Nomenclature                      | TEMPERATURE INDICATOR OF REFRIGERATOR |
| Make/Model                        | PENPOL                                |
| Range                             | 0 to 6°C                              |
| Least Count                       | 1 °C                                  |
| Instrument Id. No.                | MMH/REF/003                           |
| Instrument Sr. No.                | --                                    |
| Location                          | BIOCHEMISTRY LAB                      |
| Visual Inspection                 | OK                                    |
| Material Receipt Date             |                                       |
| Calibration Performed at          | ON SITE                               |
| Date of Calibration               | 09.11.2020                            |
| Suggested Due Date of Calibration | 09.11.2021                            |
| Certificate Issue Date            | 14.11.2020                            |
| <b>ENVIRONMENTAL CONDITION</b>    |                                       |
| Temperature                       | (25 ± 5)°C                            |
| Relative Humidity                 | (60 ± 15)%RH                          |

|  |                              |
|--|------------------------------|
| <b>Equipment &amp; Master Used For Calibration</b> |                              |
| 01. RTD sensor 4 WIRE                              |                              |
| Make   | : KELVIN INSTRUMENTS&DEVICES |
| Sr. No.  | : 20021703                   |
| ULR No.  | : CC232620000001578F         |
| Next Due Date                                      | : 10-07-2021                 |
| Traceability                                       | : STIC                       |
| 02. 6.5 DIGITAL MULTIMETER                         |                              |
| Make   | : FLUKE                      |
| Serial No.   | : 8845A                      |
| Certificate No.                                    | : TSC/20-21/2211-1           |
| Next Due Date                                      | : 09-07-2021                 |
| Traceability                                       | : TRANSCAL                   |

## OBSERVATION RESULTS

| SL NO. | NOMINAL VALUE (UUC) | OBSERVED VALUE (MASTER) | (±) ERROR (°C) | ± Expanded Uncertainty At 95% Confidence Level (k=2) (°C) |
|--------|---------------------|-------------------------|----------------|---|
|        | (°C)                | (°C) / (Ω)              |                |   |
| 1      | 1.0                 | 1.04 / 100.390          | -0.04          | 0.60  |
| 2      | 2.0                 | 2.07 / 100.780          | -0.07          | 0.60  |
| 3      | 3.0                 | 5.11 / 101.989          | -2.11          | 0.60  |
| 4      | 4.0                 | 6.14 / 102.379          | -2.14          | 0.60  |
| 5      | 6.0                 | 6.19 / 102.379          | -0.19          | 0.60  |

Calibration Procedure Based On : UCSSL/SOP/01 -T (ITS-90)

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