# Dr Potdar Laboratories Solapur.

REFRIGERATOR TEMPERATURE MONITORING LOG

REFRIGERATOR NO:

YEAR : August 2021

Range : Freez(2- 8 °C )/Freezer(-18 °C )

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerator NO- 1) | 8.00 AM | 6.2 | 4.8 | 5.7 | 4.1 | 5.2 | 5.9 | 7.1 | 4.1 | 4.6 | 6.2 | 4.3 | 6.8 | 6.1 | 4.1 | 6.2 | 4.3 | 5.0 | 4.8 | 6.4 | 3.4 | 4.5 | 3.3 | 5.6 | 4.9 | 5.2 | 8.1 | 5.0 | 4.8 | 6.3 | 6.8 | 3.4 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 5.3 | 3.9 | 4.8 | 3.5 | 4.0 | 5.9 | 6.2 | 4.8 | 7.3 | 6.1 | 7.1 | 7.5 | 6.2 | 4.1 | 3.2 | 4.8 | 5.1 | 5.9 | 6.1 | 7.3 | 8.1 | 5.9 | 4.9 | 5.1 | 6.1 | 5.8 | 6.1 | 6.1 | 5.9 | 5.4 | 4.1 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2) | 8.00 AM | 5.0 | 4.4 | 4.7 | 7.5 | 6.8 | 5.4 | 3.9 | 6.2 | 6.3 | 7.1 | 6.0 | 5.4 | 7.7 | 7.3 | 4.8 | 3.2 | 4.8 | 5.2 | 6.8 | 4.5 | 6.1 | 4.1 | 5.0 | 3.2 | 6.8 | 7.8 | 5.7 | 6.1 | 6.7 | 7.7 | 4.4 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 5.1 | 4.8 | 7.1 | 5.1 | 5.3 | 6.1 | 4.8 | 7.6 | 6.2 | 5.2 | 5.8 | 6.9 | 5.9 | 6.8 | 5.9 | 4.7 | 5.8 | 2.3 | 7.3 | 6.9 | 5.1 | 4.3 | 7.3 | 5.3 | 4.9 | 5.3 | 5.3 | 5.3 | 5.4 | 5.5 | 5.9 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3) | 8.00AM | 7.1 | 6.8 | 4.6 | 3.3 | 7.6 | 8.0 | 4.2 | 4.7 | 7.0 | 6.4 | 7.2 | 6.4 | 6.5 | 4.8 | 5.0 | 3.9 | 6.0 | 7.0 | 7.2 | 4.0 | 4.6 | 5.0 | 4.7 | 6.2 | 5.2 | 6.0 | 4.8 | 4.9 | 8.1 | 5.5 | 5.2 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 6.9 | 5.9 | 4.8 | 7.1 | 5.4 | 7.9 | 4.5 | 4.7 | 7.8 | 4.7 | 5.7 | 5.1 | 4.9 | 5.1 | 7.1 | 6.9 | 5.9 | 7.1 | 4.9 | 7.1 | 4.8 | 5.1 | 6.5 | 4.8 | 4.9 | 6.1 | 5.5 | 6.1 | 6.7 | 4.8 | 6.1 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4) | 8.00AM | 7.7 | 3.8 | 5.0 | 4.7 | 7.0 | 3.9 | 5.3 | 5.5 | 4.0 | 3.8 | 4.7 | 5.1 | 4.7 | 4.0 | 5.0 | 5.6 | 3.7 | 5.3 | 4.2 | 5.3 | 4.9 | 6.2 | 4.1 | 3.9 | 4.3 | 5.3 | 5.6 | 5.3 | 6.1 | 7.1 | 4.3 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 7.1 | 4.9 | 5.1 | 6.5 | 6.1 | 4.1 | 7.2 | 5.0 | 6.9 | 3.8 | 4.1 | 6.9 | 4.7 | 5.9 | 6.1 | 3.9 | 4.8 | 5.1 | 5.9 | 3.8 | 4.9 | 4.7 | 5.9 | 6.1 | 6.8 | 4.9 | 5.1 | 5.9 | 6.1 | 5.1 | 7.8 |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5) Freezer | | -11.7 | -13.4 | -19.1 | -15.2 | -17.8 | -12.3 | -10.8 | -15.4 | -16.8 | -21.3 | -17.3 | -14.5 | -16.2 | -17.3 | -14.3 | -12.8 | -14.2 | -11.8 | -17.2 | -15.2 | -18.2 | -13.2 | -15.4 | -12.1 | -15.8 | -13.6 | -21.2 | -19.2 | -12.8 | -15.9 | -15.2 |

# Dr Potdar Laboratories Solapur.

REFRIGERATOR TEMPERATURE MONITORING LOG

REFRIGERATOR NO:

YEAR : Sept. 2021

Range : Freez(2- 8˚C )/Freezer(-18 ˚C )

| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Refrigerator NO - 1 | 8.00 AM | 5.2 | 6.3 | 5.4 | 6.4 | 5.4 | 6.1 | 5.3 | 6.2 | 7.1 | 6.1 | 7.2 | 8.0 | 7.4 | 5.1 | 6.1 | 5.2 | 5.1 | 6.1 | 5.2 | 5.4 | 6.3 | 6.1 | 7.2 | 7.1 | 7.3 | 6.1 | 6.3 | 4.4 | 5.7 | 7.1 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 5.6 | 7.8 | 8.1 | 7.9 | 6.1 | 7.1 | 5.9 | 6.3 | 5.9 | 5.2 | 6.8 | 7.1 | 7.3 | 6.3 | 8.8 | 4.9 | 5.6 | 4.4 | 6.0 | 7.1 | 5.9 | 6.1 | 4.8 | 5.1 | 6.1 | 7.3 | 6.8 | 5.9 | 4.8 | 5.2 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 8.00 AM | 7.1 | 5.9 | 7.7 | 5.4 | 7.2 | 7.1 | 7.1 | 5.4 | 4.9 | 3.9 | 5.9 | 7.2 | 5.6 | 7.1 | 5.8 | 6.3 | 6.1 | 5.8 | 5.4 | 7.2 | 5.4 | 7.1 | 5.1 | 6.2 | 5.1 | 7.2 | 5.7 | 6.6 | 6.7 | 5.1 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 6.9 | 5.3 | 5.1 | 7.1 | 6.9 | 5.9 | 4.9 | 5.1 | 7.1 | 7.2 | 6.3 | 5.9 | 4.9 | 6.9 | 5.1 | 4.9 | 5.2 | 5.8 | 6.1 | 4.1 | 5.9 | 6.9 | 7.2 | 5.1 | 3.9 | 4.1 | 6.5 | 5.1 | 6.9 | 5.0 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 8.00AM | 4.3 | 6.2 | 6.4 | 4.9 | 6.2 | 4.9 | 5.8 | 7.0 | 7.6 | 3.9 | 5.3 | 6.3 | 4.7 | 4.6 | 5.8 | 4.3 | 7.3 | 6.2 | 6.8 | 4.9 | 5.3 | 4.3 | 3.3 | 5.0 | 5.7 | 6.1 | 5.8 | 7.0 | 4.3 | 6.5 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 4.8 | 5.1 | 6.1 | 4.8 | 5.9 | 4.9 | 3.8 | 7.1 | 8.1 | 6.2 | 6.0 | 4.8 | 6.1 | 3.9 | 4.9 | 3.9 | 5.3 | 4.3 | 5.7 | 5.3 | 3.9 | 6.1 | 6.5 | 6.9 | 4.1 | 3.8 | 7.1 | 4.3 | 5.1 | 6.0 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 8.00AM | 5.0 | 3.7 | 5.0 | 3.9 | 4.3 | 5.7 | 7.2 | 6.3 | 5.1 | 4.6 | 5.1 | 5.3 | 4.2 | 3.8 | 4.1 | 3.9 | 6.4 | 7.3 | 6.1 | 6.0 | 5.1 | 5.4 | 4.7 | 4.0 | 4.3 | 4.4 | 3.8 | 5.5 | 4.7 | 6.7 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 8.00 PM | 6.1 | 7.3 | 8.1 | 4.9 | 5.1 | 6.3 | 4.8 | 3.8 | 4.9 | 5.2 | 5.3 | 4.8 | 7.1 | 6.1 | 6.3 | 5.9 | 5.3 | 6.8 | 5.3 | 5.1 | 6.8 | 6.4 | 4.1 | 7.1 | 5.9 | 4.1 | 3.9 | 3.8 | 4.1 | 6.4 | |
| | SIGN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Freezer 5 | | -11.2 | -15.8 | -17.3 | -14.8 | -17.2 | -17.8 | -20.3 | -23.5 | -10.9 | -11.2 | -14.2 | -16.3 | -17.3 | -12.8 | -14.3 | -19.1 | -15.1 | -17.3 | -10.1 | -11.3 | -12.8 | -20.5 | -19.8 | -12.3 | -15.3 | -13.0 | -21.3 | -14.3 | -8.9 | -14.6 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Ultra Air Solutions Pvt. Ltd.

**NABL ACCREDITED LABORATORY**

For Your Clean Environment & Safety | "A Complete Calibration Solution"

CERTIFICATE NO. CC-3005

## CALIBRATION CERTIFICATE

| | | | |
|---|---|---|---|
| Certificate No | : UAS/CAL/2021/08/57/07 | **Certificate Issue Date** | : 04.08.2021 |
| Date Of Calibration | : 02.08.2021 | Next Calibration Due Date | : 01.02.2022 |
| ULR Code | : ULR-CC300521000000614F | Calibration Method No:UAS-CP-333 | |
| Work Order No | : 57/07 | Calibrated At: site | |
| Date Of Receipt | : 02.08.2021 | | |
| Customer Name | : **M/s.DR.POTDAR LABORATORIES** | | |
| Customer Address | : **Shashwat Heights, Office No.4 First Flore, 519,Shukrawar peth, Manik Chowk, Solapur- 413002** | | |
| **Temperature** | : 25 ±3°C | **Humidity**: 40 to 60%RH | |

### Desciption of Unit under Calibration (UUC)

| | | | |
|---|---|---|---|
| **Name** | : Digital Thermometer | **Range** | : -50 to 300 |
| **ID No** | : DPL/DTM-01 | **L.C.** | : 0.1°C |
| **Make** | : Sigma | **Accuracy** | : ±1°C |
| **Type** | : PT 100 | Sr. No | : 1.81E+08 |
| **Location** | : On Site | Model | : LTT-ST9263 |

### Stardards & Master Equipment Used & Their Traceability

| Standard Used | ID No | Traceability | Certificate No | Valid Upto |
|---|---|---|---|---|
| 6½ Digit Multimeter | UAS/ET/301 | CC-2282 | SCL/20-21/01/13-003 | 01.02.2022 |
| RTD Sensor (4 Wire) | UAS/TH/102 | CC-2294 | NI/2102/011/005 | 05.02.2022 |

### Calibration Results

| Cal Points °C | Standard Reading °C | UUC Reading °C | Error °C | Expanded Uncertainty (±)°C |
|---|---|---|---|---|
| 50 | 50.4 | 50.0 | -0.4 | 0.4 |
| 150 | 150.5 | 150.0 | -0.5 | 0.4 |
| 200 | 200.5 | 200.1 | -0.4 | 0.4 |

**Note :**
The reported Expanded Uncertainty is stated as a standard Uncertainty multiplied by a coverage factor k =2 at 95% confidence level.

**Remarks :-**

1) Result are related only to the item calibrated .
2) This certificate refers only to the particular items submitted for calibration .
3) This certificate shall not be reproduced except in full without our prior permission in writing.
4) Standard used for calibration were traceable to National / International standard.

**Approved By :**

(Pramod Markale)
(Managing Director )

Ultra Air Solutions Pvt. Ltd. Pune-11

**Authorized Signatory :**

( Pawan Kokil )
( Technical Manager )