



# AACPL CALIBRATION PVT. LTD.

## CALIBRATION CERTIFICATE



CC - 2646

|                      |   |                     |         |                                  |                     |          |        |
|----------------------|---|---------------------|---------|----------------------------------|---------------------|----------|--------|
| Certificate No       | AACPL / 05954F                            | Field               | Thermal | Group                            | Temp. & RH          | Page No. | 1 of 1 |
| SRF No & Date        | 240824.3                                  | DT - 24 / 08 / 2024 |         | ULR No.                          | CC2646240000 05954F |          |        |
| Calibration Method : | Comparison Method                         |                     |         | Accuracy                         |                     |          |        |
| Company Name         | M/s Krsnaa Diagnostics Ltd.               |                     |         | Calibration Date                 | 24.08.2024          |          |        |
| Address              | Inside Civil Hospital<br>Kapurthala (P.B) |                     |         | Recommended Date for Next Calib. | 23.08.2025          |          |        |
|                      |   |                     |         | Certificate Issue Dt.            | 27.08.2024          |          |        |
|                      |   |                     |         | UUC Condition                    | Good                |          |        |

### Calibration Instrument Detail

| Sl | Instrument Name        | Range                         | Least Count     | Make / Sl.No.  | Party ID / Location        |
|----|------------------------|-------------------------------|-----------------|----------------|----------------------------|
| 1  | Dig. Thermo Hygrometer | -10 to 50 °C<br>10 to 99 % RH | 0.1 °C / 1 % RH | -----<br>----- | KDPBKPHMTM02<br>Hematology |

### Standard Equipments Used ( Traceable to National Standard )

| Sl | Instrument Name                          | Make/Sl.No                | Calibrated At | Cal Certificate No | Cal. Valid Upto |
|----|--|---------------------------|---------------|--------------------|-----------------|
| 1  | Dig.Temp. & Humidity Ind.<br>With sensor | Polltech<br>5019/20275542 | Belz          | 30077505           | 07/02/2025      |
| 2  | Humidity Chamber                         | Indecon / -----           | -----         | -----              | -----           |

| Reference Standard | Calibration Purpose    | Humidity | Temperature | Calibration Performed At |
|--------------------|------------------------|----------|-------------|--------------------------|
| Comparison Method  | Temp. & RH Measurement | 56 % RH  | 25.7 °C     | Laboratory               |

### Calibration Procedure

Comparison With Standard Sensors as per Calibration Procedure Manual AACPL/ CP / 02 Section No - CPTH - 07

Calibration Points :- Temp. 15, 30 & 45 °C      Relative Humidity 40, 60 & 80 % RH

### Calibration Results ( Temperature at 50 % RH )

| Sl. No. | Master Value on Std. ( In °C ) | UUC Value ( In °C ) | Error ( In °C ) | Uncertainty at approx 95% confidence Level and coverage factor $k = 2$ is $\pm$ ( °C ) |
|---------|--------------------------------|---------------------|-----------------|--|
| 1       | 15.07                          | 15.2                | 0.13            | 0.46   |
| 2       | 30.09                          | 30.3                | 0.21            | 0.46   |
| 3       | 45.14                          | 45.5                | 0.36            | 0.46   |

### Calibration Results ( Humidity at 25 °C )

| Sl. No. | Master Value on Std. ( In % RH ) | UUC Value ( In % RH ) | Error ( In % RH ) | Uncertainty at approx 95% confidence Level and coverage factor $k = 2$ is $\pm$ (%RH) |
|---------|----------------------------------|-----------------------|-------------------|---|
| 1       | 40.06                            | 41                    | 0.94              | 1.57  |
| 2       | 60.08                            | 61                    | 0.92              | 1.57  |
| 3       | 80.11                            | 81                    | 0.89              | 1.57  |

### Note

- The calibration results reported in this calibration certificate are valid at the time of & under stated condition
- This certificate cannot be reproduced except in full without our prior permission in writing
- This certificate refers only to the particular item(s) submitted for calibration
- UUC - Unit under calibration

----- End of Certificate -----

Calibrated by



Approved by  
  
Anand Chaurasia  
(CEO)