



# ARKA LABS SERVICES PVT. LTD.,

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## CALIBRATION CERTIFICATE

CC-3597

NABL Accredited Calibration Lab as per ISO/IEC 17025:2017 with Vide Certificate No.: CC-3597

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<b>Customer Name &amp; Address</b> M/s. Swami Vivekananda Youth Movement, Hanchipura Road, HD Kote Taluk, Saraguru - 571 121.	<b>Certificate No.</b> : C2324/48/T01
<b>Customer Reference No.</b> : Instrument Received on 05-03-2024	<b>ULR No.</b> : CC359724000000091F
<b>Date of receipt</b> : 05-03-2024	<b>Issue Date</b> : 05-03-2024
<b>Condition of Instrument</b> : Working Condition	<b>Calibration on</b> : 05-03-2024
	<b>Calibration Due on</b> : 05-03-2025
	<b>Place of Calibration</b> : At-Lab
	<b>Discipline</b> : Thermal

### Description of the instrument

<b>Nomenclature</b> : Digital Thermometer	<b>Range</b> : -50 to 110°C
<b>Make</b> : Arka Lab Services	<b>Resolution</b> : 0.1°C
<b>Model No.</b> : DT 150	<b>Calibration Range</b> : -20 to 100°C
<b>Serial No.</b> : 24030501	
<b>ID No.</b> : -	

### Masters used for calibration

Nomenclature	Make / Model	SI No	Certificate No	Validity
Temperature Sensor With Indicator	Yudian, Delta Systems AI5600, 200420-450	18K588020 18082501	C2324/451/T01 CC0364123000003055F	17-10-2024

Calibration Procedure No. : ARKA/CP/TH-04

Environmental Conditions : Temp. : 25 ± 4°C Humidity : 50 ± 20%RH

#### Note :

- \* Expanded Uncertainty is reported at 95% confidence level with coverage factor k = 2.
- \* This certificate results are valid at the time of and under the stated conditions of measurements.
- \* The Masters used are traceable to National/International Standards.
- \* NABL-133 Guidelines are adopted for use of NABL symbol.

### RESULTS OF CALIBRATION

SL No.	Master Reading in °C	DUC Reading in °C	Error Observed in °C	Expanded Uncertainty (±) in °C
1	-20.02	-19.8	0.22	0.56
2	30.11	30.3	0.19	0.56
3	50.26	50.4	0.14	0.56
4	100.32	100.5	0.18	0.56

#### Conclusion Remarks :

- \* DUC readings are mentioned as average of three readings.
- \* Calibration points are selected as per customer request
- \* All the results are recorded including the correction factor of the master.

Prepared By :

*ogcah.c.m*



Reviewed & Authorised By :  
Technical Manager

*a.45*

Formaf No.: ARKA/CR/TH-004