



# ADARSHA CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY

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## CERTIFICATE OF CALIBRATION

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Certificate Number:	ACS/20-21/S01844-03	ULR Number :	ULR-CC-272220000004255F
Customer Name & Address:	M/s.A.J. Hospital & Research Centre, Kuntikana, NH-66, Mangaluru-575004. Karnataka-India.		
Date Of SRF:	22-09-2020	Calibrated At:	Site
Date of Calibration:	22-09-2020	Calibration WI No:	WI/TH/06
Next Cal Due:	21-09-2021	Date of Issue:	24-09-2020
Environmental Conditions:	Temperature: 24.9°C	Humidity:	53% R.H

### DETAILS OF DEVICE UNDER CALIBRATION

Nomenclature :	RTD With Indicator	Serial. No:	1979
Make & Model :	Rotek & R1 18DFSS	Code/ID No :	AJH/B/HRCLAB/INCO/02
Range :	Ambient to 110°C	Resolution:	0.1°C
Location:	HRC Lab-(Incubator)		

### DETAILS OF STANDARD INSTRUMENT USED

1.Nomenclature:	Digital Thermometer with Sensor	Reference Standard:	DKD-R-5-7
Make / Model :	YCT & RTD-116	Serial.No/Id.No:	13021909/ACS-T/05
Range :	-80 to 400 °C	Cal Due Date:	20-05-2021
2.Nomenclature:	Dry Block Calibrator	Certificate No:	ACS/TH/20-21/102425-01
Make / Model :	Divya Process Instruments & DPI-1000	Serial.No/Id.No:	1000-191
2.Nomenclature:	Dry Block Calibrator	Used As:	Source
Make / Model :	Divya Process Instruments & DPI-1100	Serial.No/Id.No:	1100-212
		Used As:	Source

### CALIBRATION RESULTS:

Parameter: Temperature				Discipline : Thermal	
Sl No	Source Set Point in °C	Standard Reading in °C	DUC Reading in °C	Error Obtained in ± °C	Expanded Measurement Uncertainty ± in °C
1	30	30.29	30	-0.19	0.43
2	50	50.46	50	-0.26	0.64
3	80	80.69	80	-0.39	0.64
4	100	100.81	100	-0.51	0.64
5	110	111.02	110	-0.62	0.64

### REMARKS & CONCLUSION:

- The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor  $k = 2.00$ .
- Next Calibration Due Date mentioned as per customer requirement.
- Calibration Work Order Received Through "M/s, Medical Engineering & Services".

Calibrated By

Authorized Signatory

  
Deepak Kamaraj  
Calibration Engineer



  
Manjunath I  
Technical Manager