



ADARSHA CALIBRATION SERVICES

NABL ACCREDITED CALIBRATION LABORATORY

Plot No. 18,19 Survey No - 118, Byraveshwara Nagar, Manganahalli Cross, Ullal Main Road,
Ullal (P), Bangalore - 560110. Ph: +91-80-2324 0578, Mob: +91-9945086171/172/173

E: acscalib@gmail.com / enquiry@adarshacalibrations.com W: www.adarshacalibrations.com



CERTIFICATE OF CALIBRATION

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Certificate Number:	ACS/20-21/S01844-04	ULR Number:	ULR-CC-272220000004256F		
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: 25.7°C	Humidity:	54% R.H		
DETAILS OF DEVICE UNDER CALIBRATION					
Nomenclature :	Oven	Serial. No:	1983		
Make & Model :	Rotek & RHO 14DFSS	Code/ID No :	AJH/B/HRCLAB/HAO/01		
Range :	Amb to 200°C	Resolution:	0.1°C		
Location:	HRC Lab-(Hot Air Oven)				
DETAILS OF STANDARD INSTRUMENT USED		Reference Standard:	DKD-R-5-7		
I.Nomenclature:	Digital Thermometer with Sensor	Serial.No/Id.No:	13021909/ACS-T/05		
Make / Model :	YCT & RTD-116	Cal Due Date:	20-05-2021		
Range :	-80 to 400 °C	Certificate No:	ACS/TH/20-21/102425-01		
CALIBRATION RESULTS:					
Parameter: Temperature		Discipline : Thermal			
Sl No	DUC Set Point in °C	STD Reading in °C	DUC Reading in °C	Error Obtained in ± °C	Expanded Measurement Uncertainty ± in °C
1	50	50.12	50	-0.12	0.50
2	100	100.38	100	-0.38	0.50
3	150	150.49	150	-0.49	0.50
4	200	200.6	200	-0.6	0.50
REMARKS & CONCLUSION:					
a. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k = 2.00.					
b. Next calibration due date mentioned as per customer requirement					
c. Calibration Work Order Received Through "M/s, Medical Engineering & Services".					
Calibrated By			Authorized Signatory		
Deepak Kamaraj Calibration Engineer			Manjunath I Technical Manager		





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Certificate Number:	ACS/20-21/S01844-06	ULR Number :	ULR-CC-272220000004258F
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: 25.4°C	Humidity:	53% R.H

DETAILS OF DEVICE UNDER CALIBRATION

Nomenclature :	Refrigerator	Serial. No:	C19393
Make & Model :	Rinac India Pvt Ltd & ACHP0402Z	Code/ID No :	AJH/B/HRCLAB/REF/01
Range :	2 to 8°C	Resolution:	NA
Location:	HRC Lab		

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
		Certificate No:	ACS/TH/20-21/I02425-01

CALIBRATION RESULTS:

Parameter: Temperature		Discipline : Thermal	
Sl No	Operating Range in °C	Measured Value in °C	Expanded Measurement Uncertainty ± in °C
Refrigerator			
1	2 to 8	5.58	0.50

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

Deepak Kamaraj

Calibration Engineer



Authorized Signatory

Manjunath I

Technical Manager



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Certificate Number:	ACS/20-21/S01844-05	ULR Number :	ULR-CC-272220000004257F		
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: 26.3°C	Humidity:	53% R.H		
DETAILS OF DEVICE UNDER CALIBRATION					
Nomenclature :	Autoclave	Serial. No:	1941		
Make & Model :	Rotek & Rav 06	Code/ID No :	AJH/B/HRCLAB/AUTO/01		
Range :	Upto 121°C	Resolution:	1°C		
Location:	HRC Lab				
DETAILS OF STANDARD INSTRUMENT USED		Reference Standard:	DKD-R-5-7		
1.Nomenclature:	Digital Thermometer with Sensor	Serial.No/Id.No:	13021909/ACS-T/05		
Make / Model :	YCT & RTD-116	Cal Due Date:	20-05-2021		
Range :	-80 to 400 °C	Certificate No:	ACS/TH/20-21/102425-01		
CALIBRATION RESULTS:					
Parameter: Temperature		Discipline : Thermal			
Sl No	DUC Set Point in °C	STD Reading in °C	DUC Reading in °C	Error Obtained in ± °C	Expanded Measurement Uncertainty ± in °C
1	121	120.48	121	0.52	0.69
REMARKS & CONCLUSION:					
a. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k = 2.00.					
b. Next calibration due date mentioned as per customer requirement					
c. Calibration Work Order Received Through "M/s, Medical Engineering & Services".					
Calibrated By			Authorized Signatory		
Deepak Kamaraj Calibration Engineer			Manjunath I Technical Manager		



1)The Results stated in this certificates related only to the item submitted for calibration. 2)The Certificates shall not be produced except in full written approval of the issuing authority. M/s. Adarsha Calibration Services.
3) All references standards are traceable to national standards. 4) All results reported are valid at the time of and under stated conditions of measurements. 5) The recalibration intervals should be determined based on the user's requirements. 6) The certificate of calibration shall not be utilized for any legal purpose in the court of law for which no responsibility will be associated to M/s. Adarsha Calibration Services.
7) Any Error in the certificate should be brought to our lab within 45 days from the date of issue of certificate.



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CERTIFICATE OF CALIBRATION

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Certificate Number:	ACS/20-21/S01844-07		ULR Number:	ULR-CC-272220000004259F		
Customer Name & Address:	M/s.A.J. Hospital & Research Centre, Kuntikana, NH-66, Mangaluru-575004.Karnataka-India.		Date Of SRF:	22-09-2020		
			Date of Calibration:	22-09-2020		
			Next Cal Due:	21-09-2021		
DUC Condition on Receipt:	Good		Date of Issue:	24-09-2020		
Calibrated At:	Site		Calibration WI No:	WI/MC/07		
Environment Condition:	Temperature:	23.5°C	Humidity:	55% R.H		
DETAILS OF DEVICE UNDER CALIBRATION						
Nomenclature :		Make & Model :		Resolution:		
Pressure Gauge (Autoclave)		Mass & NA		0.05 kg/cm ²		
Serial. No.:	NA	Code/IDNo:	NA			
Location:	HRC Lab					
DETAILS OF STANDARD INSTRUMENT USED				Reference Standard:	DKD R 6-1	
Nomenclature :	Make & Model :		Serial. No:	Certificate No:	Cal Due Date:	
Pressure Calibrator	R&D Instruments / APC 40		APC 513042013	CS/19/LB/MP/166-02	26-12-2020 (As Per NABL)	
Calibration Result		Parameter:	Pressure	All Reading In kg/cm ²		
Duc Set		Standard Reading Pind				
Pind	Rising M1	Falling M2	Rising M3	Falling M4		
0.0	0.000	0.000	0.000	0.000		
0.5	0.504	0.503	0.505	0.504		
1.0	1.007	1.006	1.008	1.007		
1.5	1.509	1.508	1.510	1.509		
2.0	2.011	2.011	2.013	2.013		
Duc Set	Mean Value	Error	Zero Deviation	Repeatability	Hysteresis	Expanded Uncertainty (±)
Pind	Mpind	Op=(Pind-Mpind)	f0	b'	h	U (bar)
0.0	0.000	0.000	----	----	---	-----
0.5	0.504	-0.004	0.000	0.001	0.001	0.03
1.0	1.007	-0.007	0.000	0.001	0.001	0.03
1.5	1.509	-0.009	0.000	0.001	0.001	0.03
2.0	2.012	-0.012	0.000	0.002	0.000	0.03
REMARKS & CONCLUSION						
1.The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor k=2.0.						
2.Calibration certificate issued for pressure gauge is used for scientific or industrial purpose only.						
3.Calibration due date is as per Customer Request.						
4.As per IS : 3624-1987 , SI unit of Pressure is Pascal (Pa) = 10 ⁻⁵ bar.						
5.'Calibration Work Order Received Through "M/s, Medical Engineering & Services"						
Calibrated By			Authorised Signatory			
Deepak Kamaraj Calibration Engineer			Manjunath L Technical Manager			

