



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

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CERTIFICATE OF CALIBRATION

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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:					
<p>a. The Measurement Uncertainty is estimated at a confidence level of 95.45 % with a coverage factor $k = 2.00$.</p> <p>b. Next calibration due date mentioned as per customer requirement</p> <p>c. Calibration Work Order Received Through "M/s, Medical Engineering & Services".</p>					
Calibrated By				Authorized Signatory	
 Deepak Kamaraj Calibration Engineer				 Manjunath I Technical Manager	
					



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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 :		Range :	Resolution:		
Pressure Gauge (Autoclave)	Mass & NA		0 to 2 kg/cm ²	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			

