

CALIBRATION CERTIFICATE

ULR No:-CC306321000002463F

Receipt date of item :- 17/03/2021
 Job No :- NECTL/M/2021/2363
 Item identification No :- NECTL/OS/03/2363-2
 Customer Name & Address :- Christian Institute Of Health Sciences & Research
 4th Mile, P.B No 31, P.O ARTC, Nagaland 797115
 Certificate Number :- NECTL/M/2021/CAL-1466
 Date of Calibration :- 17/03/2021
 Issue date of calibration Certificate :- 20/03/2021
 Next calibration due date :- 16/03/2022

Instrument Details:-

Calibrated Item:- **Temperature & Pressure Indicator of Vertical Autoclave**
 Make:- Equitron Model:- 7440PAD SI. No:-7440PAD.BJG.00339.AX
 Temperature:- 24.5°C Humidity:- 56% Calibration Done:- On-site

Environmental Condition-

Details of Calibration Standards Used

Name	ID No.	Range	Certificate No.	Validity
Pressure Calibrator	MPC 1807 PO227	-0.85 to 60bar	TSC/20-21/3429-1	14/08/2021
T Type thermocouple	21084086 to 21084093	-200°C to 200°C	TL/020/758.1.1 to TL/020/758.1.8	24/09/2021
Data Logger(18Channel)	R1H20A195	-----	PI/L/1360/1	29/09/2021

Procedure No :- NECTL/GHY/SOP/PR002

Method used :- Comparison method as per Standard

Calibration Data:-

Pressure Gauge

Range:- 0 – 30psi

Resolution:- 5psi

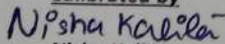
Parameter	SL. No	Standard readings	DUC readings	Deviation(±)	Uncertainty(±)
Pressure in psi	1	5.015	5	0.015	0.43
	2	10.022	10	0.022	
	3	15.036	15	0.036	
	4	20.038	20	0.038	
	5	25.042	25	0.042	
	6	30.058	30	0.058	

Parameter	Standard readings								DUC reading	Uncertainty (±)
	Sensor 1	Sensor 2	Sensor 3	Sensor 4	Sensor 5	Sensor 6	Sensor 7	Sensor 8		
Temperature In °C	121.20	121	121.24	121.20	121.22	121.25	121.24	121.27	121	3.05

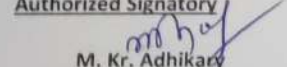
Uncertainty Measurement: The reported expanded uncertainty of measurement is calculated at 95% C.L with coverage factor k=2

Note:

- The calibration results reported in this certificate are valid at the time of and the stated condition of measurement.
- The results reported relate only to the above calibrated item.
- The reproduction of a part or an abstract thereof, has to be got specifically approved from Director, NECTL, Guwahati.
- Calibration certificate without signature and seal are not valid.
- All calibration are done in S.I units and it is in accordance to ISO: IEC:17025:2017 unless it is specified.
- NECTL is not liable for any change in calibration data & performance specification on account of malfunctioning of Standard/instruments/Equipments covered by this certificate due to damage caused to its after issuance of this certificate.

Calibrated by

 Nisha Kalita
 Technical officer



Authorized Signatory

 M. Kr. Adhikary
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REGD. OFFICE

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