

**CALIBRATION CERTIFICATE**

ULR No:-CC30632100000F

Receipt date of item :- 08/09/2021  
Job No :- NECTL/M/2021/2222  
Item identification No :- NECTL/OS/09/2222-01  
Customer Name & Address :- Christian Institute of Health science and  
Research.4th mile, Dimapur  
P.B. No.-31, P.O.-NRTC,Nagaland

Certificate Number :- NECTL/M/2021/CAL-2265  
Date of Calibration :- 08/09/2021  
Issue date of calibration Certificate :- 20/09/2021  
Next calibration due date :- 08/09/2022  
**Instrument Details:-** Calibrated Item :- Temperature Indicator of Refrigerator  
Make:- Thermoscientific Model:-TSXZ3055V Sl. No:- 91008 Range: 2°C to 8°C  
**Environmental Condition-** Temperature:-23.5°C Humidity:- 56% Calibration Done:- In-house  
**Standard Details :-**

Sl. No.	Name	ID No.	Range	Accuracy	Certificate No.	Validity
1.	4 wire RTD	1016	-200°C to 850°C	+/-0.1°C	TL/020/794.2.1	02/10/2021
2.	Multifunction process calibrator	4267751	0-25mA	0.02% Rdg + 2 LSD	TSC/21-22/6663-7	18/08/2022

Traceability :- 1. To National Standard Through NABL Lab code CC-2840  
2. To National Standard Through NABL Lab code CC-2231  
Procedure No:- NECTL/GHY/SOP/TH004 Method used:- Comparison method as per Standard

**Calibration Data:-**

Parameter	Desired range in DUC	Sl. No	Standard readings	MPE	Uncertainty(±)	Remarks
Temperature In °C	2°C to 8°C	1	3.70	4°C	3.05	Pass
		2	3.72			
		3	3.73			

- **Acceptance criteria:-Standard readings ≤ Maximum Permissible Limit (MPE)**
- **Conformity of the item is given as per decision rule of NECTL**

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

**Note:**

1. The calibration results reported in this certificate are valid at the time of and the stated condition of measurement.
2. The Item received in good condition at the time of calibration/ testing.
3. The results reported relate only to the above calibrated item.
4. The reproduction of a part or an abstract thereof, has to be got specifically approved from Director, NECTL, Guwahati.
5. Calibration certificate without signature and seal are not valid.
6. All calibration are done in S.I units and it is in accordance to ISO: IEC:17025:2017 unless it is specified.
7. 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**

*Nishakalita*  
Nisha Kalita  
Technical officer



**Authorized Signatory**

*M. Kr. Adhikary*  
M. Kr. Adhikary  
QM

Page:1/1