



Christian Institute of Health Sciences & Research

(A NABH Pre-Accreditation Entry Level Hospital)

4th Mile, Dimapur, P.B. No. 31, P.O. ARTC, Nagaland - 797 115, Ph: 03862-242555. www.cihsr.in



In-house calibration/measurement report

1. Device under Calibration (DUC)

Equipment Name	Calibration/measurement Date	Due Date
Refrigerator	12-06-2021	11-12-2021

- i. ID No. : CIHSR/LAB/RR-01
ii. Make/Model/Sl. No. : Celfrost/FKG100S/8051410

2. Standard Equipment

- i. Name : Thermo-Hygrometer
ii. Make/Model : Winner/ TH402
iii. ID No. : 004D
iv. Calibration date & calibration due date : 17.03.2021 to 16.03.2022

3. Measurement

- iii. Measurement Procedure : Comparison method,
iv. Traceability : NABL Standard through North East Calibration & Testing Laboratory, Guwahati.
Certificate No. NECTL/M/2021/CAL-1459

4. Result :

Tray	Master (°C)	(DUC) Electronic Display (in °C)
1	5.8	6.5
2	6.5	7.2
3	6.8	6.5
4	7.2	6.5
5	8.0	6.4

5. **Remarks:** Displayed temperature in DUC is within the range of 0⁰ – 8⁰ C.
Conforms to in-house standard.

Kalyan Patwary
12/06/2021
Calibration by: Kalyan Patwary (BE, PGDI)
Sr. Engineer

CALIBRATION CERTIFICATE

ULR No:-CC306321000002459P

Receipt date of item

Job No

Item identification No

Customer Name & Address

:- 17/03/2021
:- NECTL/M/2021/2362
:- NECTL/OS/03/2362-4
:- Christian Institute Of Health Sciences & Research
4th Mile, P.B No 31, P.O ARTC, Nagaland 797115

Certificate Number

Date of Calibration

Issue date of calibration Certificate

Next calibration due date

:- NECTL/M/2021/CAL-1459
:- 17/03/2021
:- 20/03/2021
:- 16/03/2022

Instrument Details:-

Calibrated Item:- Thermo-Hygrometer

Make:- Winner

Model:- TH402

SI. No.:- 004D

Resolution:- 0.1°C/1%

Range:- -50°C to 70°C/0-100%

Environmental Condition-

Temperature:- 22.2°C

Humidity:- 60%

Calibration Done:- On-site

Standard Details

Name	ID No.	Range	Certificate No.	Validity
4 wire RTD	1016	-200°C to 850°C	TL/020/794.2.1	02/10/2021
Multifunction process calibrator	4267751	0-25mA	TSC/20-21/3507-2	14/08/2021
Thermo Hydrometer (HANNA)	HI9565	0-60°C, 10% -95%	TSC/20-21/3631-1	19/08/2021
Temperature-Humidity chamber	THTC-01B	5-50°C, 10% -90%	TNX/20-21/028	28/01/2021

Procedure No:-NECTL/GHY/SOP/TH007

Method used:-Comparison method as per NABL129

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 results reported relate only to the above calibrated item.
3. The reproduction of a part or an abstract thereof, has to be got specifically approved from Director, NECTL, Guwahati.
4. Calibration certificate without signature and seal are not valid.
5. All calibration are done in S.I units and it is in accordance to ISO: IEC:17025:2017 unless it is specified.
6. 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
Nisha Kalita

Technical officer



Authorized Signatory

M. Kr. Adhikary

QM Page:1/2

ULR No
Certificate Number

:- CC30632100002459P
:- NECTL/M/2021/CAL-1459

Calibration Data:-

Parameter	SL. No	Standard reading	DUC reading	Deviation(\pm)	Uncertainty (\pm)
Temperature In $^{\circ}$ C	1	-42.55	-41.9	-0.650	0.175
	2	-25.25	-24.5	-0.750	
	3	-10.36	-9.8	-0.560	
	4	0.12	0.5	-0.380	3.05
	5	10.41	10.1	0.310	
	6	20.33	19.8	0.530	
	7	30.39	29.6	0.790	
	8	40.59	39.8	0.790	
	9	60.87	59.5	1.370	

Parameter	SL. No	Standard reading	DUC reading	Deviation(\pm)	Uncertainty (\pm)
Humidity in %	1	21	21	1	1.85%
	2	46	45	1	
	3	51	50	1	
	4	61	60	1	
	5	80	79	1	
	6	98	98	0	

- We have no NABL accreditation in Humidity.

Calibrated by

Nisha Kalita
Technical officer



Authorized Signatory

M. Kr. Adhikary
QM Page:2/2