



# ACCURATE CALIBRATION

## LABORATORY & SERVICES

(A NABL Accredited Laboratory as per ISO/IEC 17025:2017)

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CC - 3373

### CALIBRATION CERTIFICATE

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Format No.:ACLS\_CR\_T

ULR Number : CC337323000000363F

Discipline/Group : Thermal/Temperature

Certificate Number	Date of Receipt	Date of Calibration	Suggested Next Date of Calibration	Date of Issue
ACLS/2023-24/083/RF-04	25/09/2023	25/09/2023	24/09/2024	27/09/2023

1.0	Calibration Request Number	:	083
2.0	Name & Address of the Customer	:	<b>M/s. Bioline Laboratory,</b> 6,7& 15 Dolly Arcade, Near Harley's Bakery, New Nagole, L.B. Nagar, Telangana-500068.
3.0	Details of Device Under Calibration		
3.1	Nomenclature	:	Refrigerator (Deep Freezer)
3.2	Make	:	Western
3.3	Model/ Type Number	:	NWHC-525H
3.4	Range	:	2 to 8 °C
3.5	Resolution	:	1 °C
3.6	Identification Number	:	BL/DF-01
4.0	Work Instruction/Procedure No.	:	ACLS_T_WI_001 & 002
5.0	Condition of the item on receipt	:	Physically OK
6.0	Unit of Measurement	:	(°C)
7.0	Range of Environmental Conditions of the Measurement	:	Temperature : (25 ± 4) °C Relative Humidity : 30 % to 75% RH
7.1	Actual Environmental Conditions at the time of measurement	:	Temperature : 24.1 °C Relative Humidity : 59 % RH
8.0	Calibration Performed at	:	Thermal Lab
9.0	Reference Method	:	DKD-R-5-1 & ITS-90
10.0	Details of reference Standards	:	

S.No.	Nomenclature	Serial Number	Certificate No.	Validity
10.1	SSPRT Sensor with Thermometer	362277-1/ 21C200411	TSC/23-24/7066-2	24/07/2024

11.0 Results Summarized :

S.No.	Set Temp. in(°C)	STD Reading in (°C)	DUC Reading in (°C)	Deviation in (°C)	Expanded Uncertainty in (°C)
11.1	2.0	1.994	2	0.006	0.59
11.2	4.0	3.992	4	0.008	0.59
11.3	6.0	5.989	6	0.011	0.59
11.4	8.0	7.987	8	0.013	0.59

- 12.0 Remarks :
- 12.1 DUC Stands for Device Under Calibration
- 12.2 The Certificate refers only to the particular item submitted for calibration
- 12.3 Report results are valid at the time of and under the stated conditions of the Measurement
- 12.4 Reproduction of this certificate in any form is not permitted without the written consent of ACLS
- 12.5 Errors if any ,in this certificate shall be brought to notice within 45 days from the date of this certificate
- 12.6 Measurement uncertainty reported is at approximately 95.45 % confidence level with K=2 as per guideline NABL 141
- 12.7 The measurement data reported is as found without any adjustment
- 12.8 Standard used for calibration were traceable to National / International standards

Calibrated by   
CH.Nagagopi  
Cal.Engg.

\*\*\* End of Certificate \*\*\*



Authorised by  
N.Sreedhar  
(Quality/Technical Manager)