



ACCURATE CALIBRATION LABORATORY & SERVICES

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

Plot No. 33/B, Sakkubai Residency, Main Road, Mallapur Hyderabad-500 076.

Ph: 040-27245979 Mobile : +91-7893635977, 9573896969.

E-Mail : accuratenabl@gmail.com, accuratecalibrationlab@gmail.com Website : www.acls.co.in



CC - 3373

CALIBRATION CERTIFICATE

Format No.:ACLS_CR_T

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ULR Number : CC337323000000360F

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-01	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 : **M/s. Bioline Laboratory,**
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 : Samsung
- 3.3 Model/ Type Number : RT28N3722SL/HL
- 3.4 Range : 0 to -23 °C
- 3.5 Resolution : 1 °C
- 3.6 Identification Number : BL/RF-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

S.No.	Set Temp. in(°C)	STD Reading in (°C)	DUC Reading in (°C)	Deviation in (°C)	Expanded Uncertainty in ± (°C)
11.1	-23.0	-23.098	-23	0.098	0.59
11.2	-15.0	-15.139	-15	0.139	0.59
11.3	-10.0	-10.247	-10	0.247	0.59
11.4	-5.0	-5.296	-5	0.296	0.59
11.5	0.0	0.341	0	-0.341	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)