

### Calibration Certificate

Certificate No.: YEA(C)/ 220205SA/D787/001  
 ULR No. : CC222122000006166F

Dated : 07.02.2022

Calibrated for : District TB Centre, ICTC  
 Falkawn, Mizoram,  
 Pin - 796001.

Calibrated on.	Next Calibration Due On.	Page No.	No. of Pages
05.02.2022	05.02.2023	1	2

**Description of Instrument**

*Name* : Refrigerator  
*Identification* : SRHF/TB-ICTC REF-01  
*Range* : 2 to 8 °C  
*Make* : Samsung

**Service Request No. / Order Reference** : 220205SA D787/001-002

**Receipt of Instrument** : 05.02.2022

**Location where calibration performed** : At site

**Applicable Specification of Instrument to be Calibrated** : Not Specified

**Condition of Instrument to be Calibrated** : Satisfactory

**Basis of Calibration** : Comparison method with reference to YEA WIT-02

**Environmental Condition during Calibration** : *Temp.* : 30±10°C *RH* : 60±20%

**Equipment used for Calibration** : Standard Data Acquisition System & Standard R1D Sensor

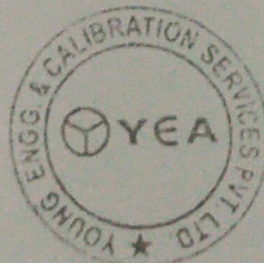
**Traceability** : To National Standard vide Certificate No.  
 YEA(C)/ 210730/Y001/002 valid till 30.07.2022  
 YEA(C)/ 210820/Y001/002 valid till 19.08.2022

**Measurement Uncertainty** : The figures are stated in the result at coverage factor  
 $k = 2$  corresponding to confidence probability of  
 95% for normal distribution

**Laboratory Identification** : Sticker is affixed for authentication of calibration.

The above Instrument/Equipment/Machine has been calibrated up to its range.  
 The results are given in the page 2 to ..... 2 ...of the Certificate.

(Signature) 2



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Calibrated By : T. Midya

Date : 07.02.2022

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### Calibration Results

#### Thermal Calibration

#### Calibration Results of Refrigerator

Sl. No.	Sensor No.	Specified DUC Value	Standard Value		
		( ° C )	( ° C )		
			Maximum	Minimum	Average
1	1	2 to 8	5.54	5.36	5.39
Stability of Refrigerator :			0.09 ° C		
Overall Variation :			0.18 ° C		
Measurement Uncertainty ( ± ) :			0.67 ° C		

DUC : Device Under Calibration

**REMARKS :** The above Refrigerator has been calibrated and the readings are tabulated above.  
Non - Uniformity calculation could not be possible for Refrigerator because there is no more provision to put into more than one sensor inside the Deep Freezer.

**NOTES :** This certificate refers to the results tabulated at the time of calibration only for the above mentioned item submitted for calibration and this should not be reproduced, other than in full except with prior written approval from the head of calibration laboratory.

Authorised By



A. Das

Manager Calibration

\*\*\* End of the Calibration Certificate \*\*\*

