

**MEASURE TECHNO LAB**

2, B.T. ROAD (JAYANTI CINEMA COMPLEX), BARRACKPORE,  
KOLKATA - 700120, W.B.

Phone : 033 - 2215 - 0032, 2215 - 9687, 8100875519, Mobile: 9831190974,  
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CC - 2545

Page: 1 of 1

CALIBRATION CERTIFICATE NO.: MTL / IPGME&amp;RSSKMH / R01 / 11 - 23

URL - CG254523000040554F

1) Service Request No.: MTL / 29 / 11 / 23 - 24

## 1.1 Issued to:

Office of The Medical Superintendent,  
ICTC, IPGME&R SSKM Hospital,  
244, A.J.C Bose Road,  
Kolkata - 700020.

## 1.2 Description &amp; Identification of item to be Calibrated:

a) Name:	Refrigerator	b) Code No.:	SSKM / ICTC / RF - 01
c) SI No.:	N.S.	d) Make:	Haier
e) Model / Type:	N.S.	f) Range:	As Per Report
g) Sensor:	N.A.	h) Resolution:	N.A.
i) End User:	ICTC	j) Accuracy:	N.S.

1.3. Date of receipt of item :

29-11-23

✓ On Site / In House  
1.4 Physical Condition of DUC : OK

1.5 Date of calibration :

29-11-23

1.6 Recommended date of next calibration :

29-11-24

1.7 Date of issue :

30-11-23

1.8 Environmental Conditions During Calibration:

Temperature: 25 °C ± 2 °C  
Humidity: 55 % RH ± 10 % RH

1.9 Method of Calibration:

SOP / TH / 05

2.0 Traceability:

a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.  
b) The following standards / Equipment have been used.

- η) Data Acquisition Unit Cal. Certificate No. CAL/CAL/22-42032 (CALCPL, Jaipur) (Cal. Date: 14/12/22, Due Date: 14/12/23)
- θ) 4 Wire RTD Cal. Certificate No. TL / 023 / 588.1.1 (TEMPSENS, Udampur) (Cal. Date: 13/05/23, Due Date: 12/05/24)

2.1 Result :

Thermal Calibration (Temperature)

Sl. No.	Parameter/ Range	Chamber	Corrected Std. Value			Rack	Measurement Expanded Uncertainty ± °C	
			Min. Ohms	Min. °C	Max. Ohms			Max. °C
1.	Temperature	Normal	100.879	2.25	100.895	2.29	1	0.31
			100.903	2.31	100.922	2.36	2	0.31
			100.914	2.34	100.942	2.41	3	0.31
			100.922	2.36	100.953	2.44	4	0.31

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.

- ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.
- iii) Average Reading obtained by 10 Readings.
- iv) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration  
Max. - Maximum

N.S. - Not Specified


N.A. - Not Applicable

Std. - Standard

Min. - Minimum

Opinions and Interpretations		Accepted / Valid for use	
Calibrated	✓	Refected / Out of use	
Limited Use			

Calibration Engineer  
Measure-techno Lab  
Kolkata  
J.Dey  
Calibration Engineer

Checked by:   
Quality / Test Manager  
S. Pandey

Form No. - MTL/22/2006

Issue No. : 2 Issue Date : 10.11.06

Rev. No. : 04 Rev. Date : 01.04.22





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**CALIBRATION CERTIFICATE OF REFRIGERATOR**

CALIBRATION CERTIFICATE NO.: MTL / IPGME&RSSKM / R02 / 11 - 23 ULR - CC254523000040555F Page: 1 of 1  
 CC - 2848

1.0 Service Request No.: MTL / 29 / 11 / 23 - 24

1.1 Issued to: Office of The Medical Superintendent,  
 ICTC, IPGME&R SSKM Hospital,  
 244, A.J.C Bose Road,  
 Kolkata - 700020.

1.2 Description & Identification of item to be Calibrated:	a) Name: Refrigerator c) SI No.: N.S. e) Model / Type: N.S. g) Sensor: N.A. i) End User: ICTC	b) Code No.: SSKM / ICTC / RF - 02 d) Make: N.S. f) Range: As Per Report h) Resolution: N.A. j) Accuracy: N.S.
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1.3 Date of receipt of item : 29-11-23  
 1.4 Physical Condition of DUC : OK  
 1.5 Date of calibration : 29-11-23  
 1.6 Recommended date of next calibration : 29-11-24

1.7 Date of Issue : 30-11-23

1.8 Environmental Conditions During Calibration:  
 Temperature: 25 °C ± 2 °C  
 Humidity: 55 % RH ± 10 % RH

1.9 Method of Calibration: SOP / TH / 05

2.0 Traceability: a) Standards used for calibration are traceable to National standards through NABL Accredited Laboratory.

b) The following standards / Equipment have been used.  
 ① Data Acquisition Unit Cal. Certificate No. CAL/UCAL/22-12032 (CALCPL, Jaipur) (Cal. Date: 14/12/22, Due Date: 14/12/23)  
 ② 4 Wire RTD Cal. Certificate No. TL / 023 / 568.1.1 (TEMPSENS, Udaipur) (Cal. Date: 13/05/23, Due Date: 12/05/24)

**2.1 Result :**

**Thermal Calibration (Temperature)**

Sl. No.	Parameter/ Range	Chamber	Corrected Std. Value				Rack	Measurement Expanded Uncertainty ± °C
			Min. Ohms	Min. °C	Max. Ohms	Max. °C		
1.	Temperature	Normal	101.215	3.11	101.242	3.18	1	0.31
			101.227	3.14	101.262	3.23	2	0.31
			101.246	3.19	101.273	3.26	3	0.31
			101.258	3.22	101.285	3.29	4	0.31

Remarks: i) This result has an expanded uncertainty with a coverage factor k=2 at approximately 95% confidence level.

- ii) The calibration certificate issued for this instrument is to be used for scientific or industrial purposes only.
- iii) Average Reading obtained by 10 Readings.
- iv) Calibrations are carried out without any adjustment or repair.

DUC - Device Under Calibration      N.S. - Not Specified      N.A. - Not Applicable      Std. - Standard      Min. - Minimum  
 Max. - Maximum

Opinions and Interpretations	Accepted / Valid for use	Rejected / Out of use
Calibrated	✓	
Limited Use		

*Calibration Engineer*  
**Calibrated by Techno Lab**  
 Kolkata  
 J.Dey  
 Calibration Engineer

Checked/ Approved by  
  
 Quality / Technical Manager  
 S. Pandey