

### **CALIBRATION CERTIFICATE**

NAME OF CUSTOMER

: HOSCONS HEALTHCARE INDIA PRIVATE LIMITED

UNIT DESCRIPTION

: REFRIGERATOR

**COMPANY** 

: GODREJ

**SERIAL NO** 

: P.3.4/2017

**DATE OF CALIBRATION**: 01.04.2023

VALID UP TO

: 31.03.2024

**INSTRUMENT USED FOR CALIBRATION: DIGITAL THERMOMETER** 

MODEL NO:KUSAM-MECO&KM-945

SL.NO: S1023388

**CERTIFIED BY: MSIR INDIA PVT. LTD** 

**INSTRUMENT VALIDITY: 22-02-2024** 

### **ENVIROMENTAL CONDITION:**

S.NO	Instrument Temperature Displayed	Thermometer Difference ±1°c Displayed		ence Remarks	
1.	TOP - +4°C	+4.1°C	0.1	OK	
2.	MIDDLE - +4°C	+4°C	0.0	OK	
3.	BOTTOM - +4°C	+4.3°C	0.3	OK	

#### STANDARD INSTRUMENT USED:

Nomenclature:	Digital Thermometer	Serial no:	S1023388
	with Sensor(K Type)		
Make& Model:	KUSAM MECO & KM-945	Code/ID No:	
Range:	-50°C to 1300°C	Resolution:	-1°C

**TESTED BY: G.DINESH** 

APPROVED BY: Q

NOTE: 1) Calibration Points & due date is given as per customer request 2) Th only to particular item submitted for certificate3) The calibration results rep time of and under the stated conditions of the measurements4) Any error in the be brought to our lab within 45 days from the date of issue of certificate.



# REFRIGERATOR TEMPERATURE MONITORING REPORT

	FORMAT N	NO: F/HHC/01			REV N	0: 01			REV.DATE:01-04-202	23
			Month: Apvil	Year: 2	23 L	ocation: Jab Pet-	1 Refrigera	tor S.No:		
S.No	Date	Time	Temperature '°C	Signature	Time	Temperature °C	Signature	Time	Temperature °C	Signature
1	01/04/2023	10-10gm	3.4%	<i>&amp;</i> Q/	1.10 Pm	5.6°C	80/	4.46pm	E.I'C	<b>6</b>
2	02/04/2123	10-06 am	4.1'C	80/	1.30 PM	6-9'C	80/	11:US DM	6.7°C	8
3	03/01/2023	10.14 AM	3.70	80/	1.15 PM	6.2°C	02	2.00 pm	6.2°C	8
4	01,101,12023	10. D4 94	3/5°c	80/	1-41 20	6.800	80/	5.03 DW	H-8°C	0
5	05/04/2023	9.46 AM	3.11	80/	12-36 An		82	Ler HHODM	H-8-2 7.1°C	9
6	06/04/2023		3.600	<b>D</b>	12.30pm	5.2 -0	62	H.457M	7.6.6	0
7	07/04/223	10.14 Am	3.4 °C	89/	1.16PM	4.3°C	60/	5.00 DW	5.3°C	9
8	08/04/2023	10-17an	4.200	80/	1.30Pm	3-6 %	9/	5.10 pm	5.7.6	0
9		9.53 Am	46°C	89/	1-30 PM	5-2 °C	80/	5.15 DM	5.1.0	9
10		10.16 UM	3.2 .	Q/	1.16 PM	5.4 °C	80/	11.45 Dm	6.4'C	82/
11		10.07 dw	3.6 ℃	80/	12.55 PM	6.000°c	69/	11/6 pm	H-9'C	89/
12		10-15 AM	31 °C	82/	1-02 PM	4.9 °C	0	530 DM	2.9.0	8
13		810.6 Am	3.4 °C	80/	1-14 DM	1,2°C	60/	5.5 PM	6.46	82/
14	14/04/2023	10-04An	3.8 °C	Q/	1.30 pm	6.000	9	515 PM	49°C	02
15	15-14/2033	10.26 Am	3.1 %	<b>Q</b> /	1.30 pm	1, 4%	82/	580 PM	5.3°C	52/
16		10-21 AM	3.2 ℃	80/	12.5700	5.68	W	5.10 pm	5.4.6	a
17	F10412023	10-35-M.	2.9 %.	Q/	1.00 pm	5.6°C	00/	4.78m	5.2 C	82
18	15/04/2003	10: 45am	3.5:6	2	2.05pm	6.6 C	2	4.780	611:	4_
19	19/84/2022	10115am	3.8.2	87	12:55pm	5.5°	8/	5.10pm	6.2°C	89/
20	20/04/203	10120am	41. C	8)/	1.05pm	6.0°C	8/	45500	6.000	8/
21	21/04/2023	10.00am	2.9°L	82/	1.12800	6.40	8	5.15 pm	6. KC	6/
22	22/04/2023	9. Sam	3.1%	80/	1-00 600	6.0°C	D/	5.20pm	76.3 €	8/
23	24/04/2023	10110am	4.200	82/	1.10000	5.9°c	<b>D</b> /	5.00m	5.9.6	40/
24	25 00 2022	10:20an	3.9°L	82/	1.3000	6.2°C	6/	4.50gm	6.1°C	8/
25	26/04/2022	10:00m	4.00	8/	1.10800	6·2°C	<b>5</b> /	C20000	6.0°C	80/
26	22/06/2023	10:15am	3.8°€	82	1.13pm	SAC	80/	المطالب	5.9°C	9/
27	28/04/202	10:35m	4.5°C	82	1.10000	6,2°C	8/	5. apos	\$,2°C	8/
28	29/04/2022	10:20m	4.100	82	1.0900	5.9°C	8/	S.Ism	6-100	0/
29	30/002023	loillam	3.9°C	8/	1.15000	6.2°C	Q/	5,2000	6.0°C.	82/
30	11 -		- ,							
31										



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#40, 2nd Floor, 2nd Street, Padmavathi Nagar, Chromepet, Chennal, Tamil Nadu - 600 044.

# CALIBRATION CERTIFICATE

MCAL/FOR/QD-12	CALIBRATION CERTIFICATE					
PRF # Certificate #	MCAL/PRF/052351 MSIR/410523/51-001	Date of Calibration	;	Page # 1 of 2 18-May-2023		
	1001	Recom. Due Date	:	17-May-2024		

DETAILS OF USER CUSTOMER			
M/S. Newton biomedical Service,	ULR#		((22222220000005515
27 Prodhalata Production Production	Calibrated at	•	CC323723000008561F
27, Pradhakshanam Road, A-Plot,		:	Lab
2nd Floor, Karur-639 001.	Date of Receipt	:	18-May-2023
1/4	Cond. On Receipt		Satisfactory
	Date of Issue		,
	Parc of Issue	:	19-May-2023

Description	:	Digit Sens	al The	momet	er With	Identification #	.:	
Range Cal. / Working Range Least Count Location	:	-50 50 1	to to	1300 400	°C °C °C	Serial # Make Model # / Type Accuracy	; ; ;	S1023388 Kusam-Meco KM-945

DETAILS OF MASTER I Description (Range) Digital Thermometer RTD "1/10Din" (-80 to 250) TC "S-Type" (200 to 1200°C)	Identification # MCAL/INS/TH-45 MCAL/INS/TH-02	Valid upto (Due Date) 4-Dec-2023 3-Mar-2024 3-Mar-2024	Traceability Certificate ( MSIR/411222/41-003 TSC/22-23/18030-1 TSC/22-23/18030-2
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MFC#	:	MCAL/MFC/TH-02	The same of the sa
Details of Env.	:	Temperature : 25±2°C	Relative Humidity : 55±20 % RH

Issued by: Authorised by: MCAL - Engineer Assistant Manager

MSIR INDIA PRIVATE LIMITED

(The Madras Science and Industrial Resources) Phone: 044 2265 2634, +91 9789877567, Email: calibration@msirindia.com Web: www.msirindia.com



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#40, 2<sup>nd</sup> Floor, 2<sup>nd</sup> Street, Padmavathi Nagar, Chromepet, Chennai, Tamil Nadu - 600 044

Certificate # MSIR/410523/51-001

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### Senspr-T1

	CALIBRATION RESULTS  Parameter : Thermal							
Sl.#	Test Readings	Standard Readings	Error	Uncertainty				
	(°C)	(°C)	(°C)	± (°C)				
1.	52	52.39	-0.39	0.25				
2.	109	109.65	-0.65	0.25				
3.	213	213.83	-0.83	0.25				
4.	305	305.99	-0.99	0.28				
5.	407	408.13	-1.13	1.80				

### Senspr-T2

	CALIBRATION RESULTS							
Parameter: Thermal								
S1. #	Test Readings (°C)	Standard Readings (°C)	Error (°C)	Uncertainty ± (°C)				
1.	52	52.75	-0.75	0.25				
2.	109	109.93	-0.93	0.25				
3.	213	214.13	-1.13	0.25				
4.	305	306.38	-1.38	0.28				
5.	407	408.41	-1.41	1.80				

### Remarks

- 1. The reported Expanded Uncertainty is calculated at 95.45 % C.L with coverage factor k=2.
- 2. The reported readings are average of three readings.
- 3. Temperature Scale: ITS-90 Chart.

Issued by:

MCAL - Engineer

AJEETH KUMAR. M

Assistant Manager

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

MSIR INDIA PRIVATE LIMITED

(The Madras Science and Industrial Resources)

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