

CALIBRATION CERTIFICATE

NAME OF CUSTOMER : BEST DIAGNO LAB
1B "SAI GURU KRIPA" 1ST FLOOR, REAR BLOCK,
NO.47 (O.NO.11) EAST MADA STREET,
THIRUVANMIYUR,
CHENNAI-600041

UNIT DESCRIPTION : REFRIGERATOR

MODEL : GODREJ

DATE OF CALIBRATION : 26.12.2022

VALID UP TO : 25.12.2023

INSTRUMENT USED FOR CALIBRATION: DIGITAL THERMOMETER

MODEL NO:RD EDGE SX 185PDS

SL.NO: 4.2/2013

CERTIFIED BY: MSIR INDIA PVT. LTD

INSTRUMENT VALIDITY: 22-02-2023

ENVIROMENTAL CONDITION:

S.NO	Instrument Temperature Displayed	Thermometer Temperature Displayed	Difference $\pm 1^{\circ}\text{c}$	Remarks
1.	TOP - $+4^{\circ}\text{C}$	$+4.1^{\circ}\text{C}$	0.1	OK
2.	MIDDLE - $+4^{\circ}\text{C}$	$+4^{\circ}\text{C}$	0.0	OK
3.	BOTTOM - $+4^{\circ}\text{C}$	$+4.3^{\circ}\text{C}$	0.3	OK

STANDARD INSTRUMENT USED:

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

TESTED BY: G.DINESH

APPROVED BY: G.DINESH

NOTE: 1) Calibration Points & due date is given as per customer request 2) This certificate refer only to particular item submitted for certificate 3) The calibration results reported are valid at the time of and under the stated conditions of the measurements 4) Any error in the certificate should be brought to our lab within 45 days from the date of issue of certificate.



TRACEABILITY COPY



#40, 2nd Floor, 2nd Street,
Padmavathi Nagar, Chromepet
Chennai, Tamil Nadu - 600 04

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MCAL/FOR/QD-12

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PRF #	: MCAL/PRF/0322120	Date of Calibration	: 4-Apr-2022
Certificate #	: MSIR/410322/120-001	Recom. Due Date	: 3-Apr-2023

DETAILS OF USER CUSTOMER

M/S. Newton Bio Medical Service,
27, Pradhkshanam (road), A - Plot,
2nd Floor, Karur - 639 001.

ULR #	: CC323722000005225F
Calibrated at	: Lab
Date of Receipt	: 4-Apr-2022
Cond. On Receipt	: Satisfactory
Date of Issue	: 25-Apr-2022

DETAILS OF TEST / UNIT UNDER CALIBRATION

Description	: Digital Thermometer	Identification #	: --
Range	: -50 to 1200 °C	Serial #	: S102388
Cal. / Working Range	: --	Make	: KUSAM - MECO
Least Count	: 0.1 °C	Model # / Type	: KM - 945
Location	: --	Accuracy	: --

DETAILS OF MASTER INSTRUMENT USED

Description (Range)	Identification #	Valid upto (Due Date)	Traceability Certificate #
Digital Thermometer	MCAL/INS/TH-44	5-Dec-2022	MSIR/411221/06-004
RTD "1/10Din" (-80 to 250)	MCAL/INS/TH-02	20-Jul-2022	JRPM-CCTR-THER-2021-0705
TC "N-Type" (50 to 1200°C)	MCAL/INS/TH-19	5-May-2022	MSIR/410521/17-013

MFC #	: MCAL/MFC/TH-02
Details of Env.	: Temperature : 25±2°C Relative Humidity : 40-70 % RH

CALIBRATION RESULTS				
Parameter : Thermal				
Sl. #	Test Readings (°C)	Standard Readings (°C)	Error (°C)	Uncertainty ± (°C)
1.	100.2	99.97	0.23	0.50
2.	300.3	299.92	0.38	4.51
3.	500.4	499.84	0.56	4.51
4.	1000.5	999.75	0.75	4.51
5.	1200.6	1199.70	0.90	4.51

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 :		Authorised by :	
MCAL - Engineer	SANGEETHA. B	Technical Manager	KAMALANATHAN V.

*** End of Certificate ***

MSIR INDIA PRIVATE LIMITED
(The Madras Science and Industrial Resources)

REFRIGERATOR TEMPERATURE MONITORING REPORT

S.No	Date	Time	Month:		Year:		Location:		Refrigerator S.No:		Signature	Temperature °C	Signature
			Temperature °C	Time	Temperature °C	Time	Temperature °C	Time	Temperature °C	Time			
1	1/12/22	7-14 AM	4.1°	1:32 PM	3.8 °C	6:30 PM	3.8 °C	6:30 PM	Jan	Jan	4.1 °C	Jan	
2	2/12/22	9:00 AM	3°C	1:40 PM	1°C	7:00 PM	1°C	7:00 PM	Jan	Jan	4.0C	Jan	
3	3/12/22	8:50 AM	2°C	1:30 PM	2°C	7:00 PM	2°C	7:00 PM	Jan	Jan	3.0C	Jan	
4	4/12/22	8:30 AM	2°C	1:20 PM	3.3 °C	7:00 PM	3.3 °C	7:00 PM	Jan	Jan	SUNDAY	Jan	
5	5/12/22	7:13 AM	2°C	1:40 PM	A.1	6:30 PM	A.1	6:30 PM	Jan	Jan	1°C	Jan	
6	6/12/22	9:30 AM	3°C	12:50 PM	A.1	7:00 PM	A.1	7:00 PM	Jan	Jan	2°C	Jan	
7	7/12/22	10:00 AM	3°C	1:30 PM	2°C	6:00 PM	2°C	6:00 PM	Jan	Jan	A.2	Jan	
8	8/12/22	9:00 AM	2.3	1:00 PM	4°C	6:30 PM	4°C	6:30 PM	Jan	Jan	A.1	Jan	
9	9/12/22	7:30 AM	3°C	1:30 PM	3.2	6:00 PM	3.2	6:00 PM	Jan	Jan	3°C	Jan	
10	10/12/22	8:00 AM	2.1 C	1:00 PM	A.0	7:00 PM	A.0	7:00 PM	Jan	Jan	A.1	Jan	
11	11/12/22	8:00 AM	2°C	1:40 PM	2°C	6:00 PM	2°C	6:00 PM	Jan	Jan	SUNDAY	Jan	
12	12/12/22	8:00 AM	2°C	1:30 PM	2°C	6:30 PM	2°C	6:30 PM	Jan	Jan	3°C	Jan	
13	13/12/22	8:30 AM	3°C	1:00 PM	2°C	6:30 PM	2°C	6:30 PM	Jan	Jan	3°C	Jan	
14	14/12/22	7:50 AM	A.1	1:00 PM	3°C	6:40 PM	3°C	6:40 PM	Jan	Jan	3°C	Jan	
15	15/12/22	7:40 AM	3°C	1:40 PM	2°C	6:00 PM	2°C	6:00 PM	Jan	Jan	A.3	Jan	
16	16/12/22	7:50 AM	4.0	1:40 PM	3°C	6:00 PM	3°C	6:00 PM	Jan	Jan	3°C	Jan	
17	17/12/22	9:00 AM	2.3	1:30 PM	3°C	6:30 PM	3°C	6:30 PM	Jan	Jan	A.1	Jan	
18	18/12/22	7:15 AM	3.1 C	12:40 PM	3.8 C	7:00 PM	3.8 C	7:00 PM	Jan	Jan	SUNDAY	Jan	
19	19/12/22	9:00 AM	A.0	1:40 PM	3.8	6:30 PM	3.8	6:30 PM	Jan	Jan	4.0	Jan	
20	20/12/22	9:30 AM	1°C	1:50 PM	1°C	6:00 PM	1°C	6:00 PM	Jan	Jan	A.1	Jan	
21	21/12/22	9:00 AM	2°C	12:50 PM	A.1	7:00 PM	A.1	7:00 PM	Jan	Jan	2°C	Jan	
22	22/12/22	9:00 AM	3°C	12:50 PM	3.8	6:40 PM	3.8	6:40 PM	Jan	Jan	2°C	Jan	
23	23/12/22	8:00 AM	A.1	12:50 PM	A.1	6:00 PM	A.1	6:00 PM	Jan	Jan	3°C	Jan	
24	24/12/22	8:15 AM	3°C	1:30	4°C	6:30 PM	4°C	6:30 PM	Jan	Jan	3°C	Jan	
25	25/12/22	8:15 AM	2°C	1:00	1°C	6:30 PM	1°C	6:30 PM	Jan	Jan	4.0 C	Jan	
26	26/12/22	8:30 AM	3°C	1:00	4°C	6:00 PM	4°C	6:00 PM	Jan	Jan	SUNDAY	Jan	
27	27/12/22	8:30 AM	3°C	1:45	4°C	6:00 PM	4°C	6:00 PM	Jan	Jan	3°C	Jan	
28	28/12/22	7:00 AM	3°C	2:00	3°C	6:30 PM	3°C	6:30 PM	Jan	Jan	4°C	Jan	
29	29/12/22	8:10 AM	2°C	1:30	4°C	7:00 PM	4°C	7:00 PM	Jan	Jan	3°C	Jan	
30	30/12/22	8:20 AM	3°C	1:30	4°C	6:30 PM	4°C	6:30 PM	Jan	Jan	4°C	Jan	
31	31/12/22	8:30 AM	3°C	1:00	2°C	6:30 PM	2°C	6:30 PM	Jan	Jan	4°C	Jan	