



# NEWTON BIOMEDICAL SERVICE

27, Pradhakshanam Road, A-Plot, IInd Floor, KARUR - 639 001.  
Cell : 96009 32255 - E.mail : newtonbiomedicalservice@gmail.com

Service Available at : Fully Auto Analyzer / Semi Auto Analyzer / Electrolytes / Elisa Reader / Diagnostic Instruments

Date 15.12.2022

## CALIBRATION CERTIFICATE

NAME OF CUSTOMER : NAVANI DIAGNOSTIC CENTER  
NAMAKKAL

UNIT DESCRIPTION : REFRIGERATOR

MODEL : GD-22

DATE OF CALIBRATION : 15.12.2022

VALID UP TO : 14.12.2023

INSTRUMENT USED FOR CALIBRATION: DIGITAL THERMOMETER

MODEL NO:KUSAM-MECO&KM-945

SL.NO: J00036554

CERTIFIED BY: MSIR INDIA PVT. LTD

INSTRUMENT VALIDITY: 07.04.2023

ENVIROMENTAL CONDITION:

S.NO	Instrument Temperature Displayed	Thermometer Temperature Displayed	Difference ±1°c	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

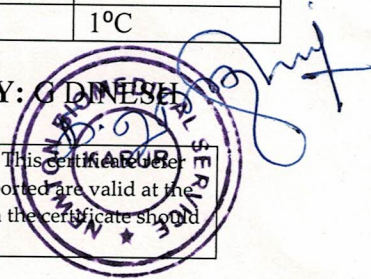
STANDARD INSTRUMENT USED:

Nomenclature:	Digital Thermometer 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 is valid 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.





CC - 3237

TRACEABILITY COPY



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

**CALIBRATION CERTIFICATE**

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**

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

Issued by :  
MCAL - Engineer

SANGEETHA. B

Authorised by :  
Technical Manager



★★★ End of Certificate ★★★

**MSIR INDIA PRIVATE LIMITED**

(The Madras Science and Industrial Resources)

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