



Cert. No : CC-2788

TRACEABILITY COPY



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

CALIBRATION CERTIFICATE

MCAL/FOR/QD-12

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PRF #	: MCAL/PRF/0221113	Date of Calibration	: 23-Feb-21
Certificate #	: MSIR/410221/113-002	Recom. Due Date	: 22-Feb-22

DETAILS OF USER CUSTOMER		ULR #	: ULR-CC278821000002801F
M/S. Newton Biomedical Service, 27Pradhakshanam Road,A-Plot,Second Floor, Karur-639 001.		Calibrated at	: Lab
		Date of Receipt	: 23-Feb-21
		Cond. On Receipt	: Satisfactory
		Date of Issue	: 25-Feb-21

DETAILS OF TEST / UNIT UNDER CALIBRATION			
Description	: Digital Thermometer	Identification #	: --
Range	: As Per Report	Serial #	: S1023388
Cal./Working Range	: 0 to 1200°C	Make	: Kusam - Mecco
Least Count	: 1°C	Model / Type	: KM-945
Location	: --	Accuracy	: As Per Manual

DETAILS OF MASTER INSTRUMENT USED			
Description	Identification #	Valid upto	Certificate #
Multi product Calibrator	MCAL/INS/ET-01	23-May-21	20/50-01

MFC #	: MCAL/MFC/TH-03
Details of Env.	: Temperature: 23±1.5°C Relative Humidity: 40-70 % RH

Calibration Results

Sl. #	Std Readings	Test Readings		Error		Uncertainty
		T1	T2	T1	T2	
	°C	°C	°C	°C	°C	± °C
1	0	0	0	0	0	0.50
2	100	97	98	-3	-2	0.50
3	500	498	499	-2	-1	4.50
4	700	697	698	-3	-2	4.50
5	900	896	897	-4	-3	4.50

Remarks :

1. The Expanded Uncertainty is calculated at 95.45 % C.L with coverage factor k=2
2. The reported reading are average of three readings.

Issued by :		Authorised by :	
MCAL - Engineer	Balaji Sah.D.K	QM / TM	Kamalanathan Y.



MSIR INDIA PRIVATE LIMITED

(The Madras Science and Industrial Resources)

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CALIBRATION CERTIFICATE**NEWTON** 
BIOMEDICAL SERVICE

GSTIN : 33AAOFN5502A1ZR

NAME OF CUSTOMER : K.M MICRO LABORATORY,PALLAPATTI-639207

UNIT DESCRIPTION : REFRIGERATOR

COMPANY : KENSTAR

SERIAL NO : 980506260535100057

DATE OF CALIBRATION : 07-07-2021

VALID UP TO : 06-07-2022

INSTRUMENT USED FOR CALIBRATION: DIGITAL THERMOMETER

MODEL NO:KUSAM-MECO&KM-945

SL.NO: S1023388

CERTIFIED BY: MSIR INDIA PVT. LTD

INSTRUMENT VALIDITY: 22-02-2022

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: N.PREMKUMAR

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.

