



Cert. No : CC-2788

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

Page # 1 of 1

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

<b>DETAILS OF USER CUSTOMER</b>		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

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

<b>DETAILS OF MASTER INSTRUMENT USED</b>			
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 V.



**MSIR INDIA PRIVATE LIMITED**

(The Madras Science and Industrial Resources)

Phone :044 2265 2634, +91 9789877567, Email: calibration@msirindia.com Web: www.msirindia.com

**CALIBRATION REPORT FOR REFREGERATOR-FREEZER**

**Certificate Issued to** : CRISTAL DIAGNOSTIC AND RESEARCH LABORATORY-SALEM  
**Company** : LG  
**S.No** : J3SNINPR  
**Model No** : GL-368YVQ4  
**Type** : Refregerator - Freezer  
**Gross Capacity** : 350 LTR  
**Rating** : 220-240V-Hz  
**Rated Input** : 97 W  
**Defrosting Input** : 178 W  
**Heating Input** : 176 W  
**Rated Current** : 0.61 A  
**Date of calibration** : 12-01-2021  
**Valid up to** : 11-01-2022

**ENVIROMENTAL CONDITION:**

S.NO	Instrument Temperature Displayed	Thermometer Temperature Displayed	Difference $\pm 1^{\circ}\text{c}$	Remarks
1.	-20 <sup>o</sup> C	-19.7 <sup>o</sup> C	0.3 <sup>o</sup> C	OK
2.	-20 <sup>o</sup> C	-19.6 <sup>o</sup> C	0.4 <sup>o</sup> C	OK
3.	-20 <sup>o</sup> C	-19.8 <sup>o</sup> C	0.2 <sup>o</sup> C	OK

**STANDARD INSTRUMENT USED:**

<b>Nomenclature:</b>	Digital Thermometer with Sensor	<b>Serial no:</b>	S1023398
<b>Make&amp; Model:</b>	KUSAM MECO & KM-946	<b>Code/ID No:</b>	---
<b>Range:</b>	(-1°C _ -50°C)	<b>Resolution:</b>	1°C

TEST BY: G.DINESH

Authorized Signatory



**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.