



CC - 3687



#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/1123193	Date of Calibration	: 1-Nov-2023
Certificate #	: MSIR/411123/193-002	Recom. Due Date	: 31-Oct-2024

**DETAILS OF USER CUSTOMER**

M/S. KG Clinical Laboratory  
4/526,Puthanpurackal Building Theatre  
Junction,Anakara,Idukki,Kerala

ULR # : CC368723000004999F  
Calibrated at : On-site  
Date of Receipt : 1-Nov-2023  
Cond. On Receipt : Satisfactory  
Date of Issue : 18-Nov-2023

**DETAILS OF TEST / UNIT UNDER CALIBRATION**

Description	: Refrigerator	Identification #	: --
Range	: 2 to 8 °C	Serial #	: 102NRFM143291
Cal. / Working Range	: --	Make	: LG Electronic
Least Count	: -- °C	Model # / Type	: GL-195
Location	: --	Accuracy	: --

**DETAILS OF MASTER INSTRUMENT USED**

Description (Range)	Identification #	Valid upto (Due Date)	Traceability Certificate #
Digital Thermometer	MCAL/INS/TH-44	4-Dec-2023	MSIR/411222/41-004
RTD "PT-100" (-30 to 200°C)	MCAL/INS/TH-12	16-Nov-2023	MSIR/411222/148-006

MFC #	: MCAL/MFC/TH-07
Details of Env.	: Temperature : 25±10°C      Relative Humidity : 40-70 % RH

**CALIBRATION RESULTS**

Parameter : Thermal

Sl. #	Test Readings (°C)	Standard Readings (°C)	Error (°C)	Uncertainty ± (°C)
1.	2	2.07	-0.07	0.80
2.	4	4.05	-0.05	0.80
3.	8	8.04	-0.04	0.80

**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.
- Calibraion has been done using temperature indicator with sensor method.

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

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

**MSIR INDIA PRIVATE LIMITED**  
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