

CALIBRATION CERTIFICATE

Certificate No	Date of Calibration	Next Calibration Due Date	Certificate Issue Date
MCS-123/22-23	15/04/2022	14/10/2022	22/04/2022

- 1 **CUSTOMER NAME & ADDRESS** : CHIKITSA PATHOLOGY LABORATORY, AHMEDABAD
- 2 **DESCRIPTION OF THE INSTRUMENT CALIBRATED**
 INSTRUMENT : DIGITAL FRIDGE FREEZER THERMOMETER
 IDENTIFICATION NO. : CPL/EQP/14
 SERIAL NO. : N.A.
 MAKE : N.A.
 MODEL : HT 5
 RANGE : - 50 °C TO 80 °C
 LOCATION OF INSTRUMENT : N.A.
- 3 **METHODOLOGY OF CALIBRATION** : The calibration was performed by comparison of UUC Values with Standard values.
- 4 **CALIBRATION PROCEDURE REFERENCE** : MCS/SCP/GT-1
- 5 **CALIBRATION ENVIRONMENT** : Temperature 26+/- 2°C
Relative Humidity: 50%
- 6 **UNCERTAINTY OF MEASUREMENT** : The reported uncertainty is at coverage factor k=2, which Corresponds to a coverage probability of approximately 95% for a normal distribution.
- 7 **INSTRUMENT/EQUIPMENT USED FOR CALIBRATION**
 DESCRIPTION : UNIVERSAL CALIBRATOR
 MAKE : SBK INSTRUMENTATION
 SR. No. : 08.16.034
- 8 **TRACEABILITY** : Calibration Certificate No.: NCQC-E/171221/03
Calibration Dated: 17/12/2021 valid up to 16/12/2022 by NCQC, Ahmedabad.

9 **CALIBRATION RESULT**

Junction Temperature UUC Value	Signal Measured By Universal Calibrator Standard Value		Absolute Error in Temperature	Expanded Uncertainty
(°C)	(Ohms)	(°C)	(°C)	(+/- % F.S.)
-44.9	82.2	-45.6	0.7	0.823
9.6	103.9	10.0	-0.4	-0.444
49.6	119.5	50.0	-0.4	-0.444

** All readings are mean of 3 values

*Absolute Error of temperature = UUC Value – Standard Value

- 10 **ABBREVIATIONS** : 1) UUC : Unit under Calibration
2) N.A. : Not Available
- 11 **CONDITION OF PRODUCT** : Satisfactory
- 12 **CALIBRATION SITE** : On Lab
- 13 **REMARKS** : This Instrument has been calibrated & found to be within The permissible error range of +/-3% F.S.

CALIBRATED BY: Ankit Dobariya
CERTIFIED BY : Yash Shah



For, Multitech Control Systems

NOTE: The calibration results reported in this certificate are valid at the time of and under the stated condition of measurement. This document shall not be reproduced, copied or transmitted in any form without the written approval of MCS. This is the technical information of client only and not for promotion publicity or litigation.

END OF CERTIFICATE

GF-09, Greenplaza Complex, Opp. City Gold Multiplex, Bopal-Ambli Road, Ambli, Ahmedabad -380058

T: 02717-234821 E: info@multitechcontrolsystems.com W: www.multitechcontrolsystems.com