



# Indian Calibration Services

An Exclusive House for Validation & Calibration of Analytical Instruments  
 304 & 313, Laxmi Deep, District Centre, Near Nirman Vihar Metro Station, Laxmi Nagar, Delhi-110092  
 Phone / Fax : (011) 22453259, 22434362, 9599482307  
 E-mail : indiancalibrationservices@gmail.com Website : www.multitechics.com

## CALIBRATION CERTIFICATE

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### CALIBRATION CERTIFICATE OF DEEP FREEZER

<b>Certificate No:</b>	23100002375	<b>Issued On:</b>	08/02/2023
<b>ULR No:</b>	CC214623100002375F	<b>Calibration Date:</b>	06/02/2023
<b>Job Identification No:</b>	ICS/C/T/02/2375	<b>Next Calibration Date:</b>	05/02/2024
<b>Ref. No:</b>	SRF, Dated - 03/02/2023		

<b>CALIBRATED FOR:</b>	<b>M/s Life Well Diagnostic Pvt. Ltd.</b> Ground Floor, M-16, Lajpat Nagar-2 New Delhi-110024
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### EQUIPMENT DESCRIPTION

<b>Name</b>	Deep Freezer		
<b>Make/Model</b>	Crescent Equipments / CUF220 Premia	<b>Visual Inspection</b>	Ok
<b>Serial No.</b>	210500067	<b>I.D. No.</b>	LC/PNS/LEQ/DPFZ/GZB/12-21/011
<b>Range</b>	At -20°C	<b>Least Count</b>	---
<b>Location</b>	Biochemistry	<b>Calibration Site</b>	On-Site

### ENVIRONMENTAL CONDITIONS

<b>Temperature</b>	25.0 °C ± 5.0° C	<b>Humidity</b>	50 ± 15 % RH
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### STANDARD REFERENCE DETAILS Traceable to National / International Standard

Name of the Standard	Make	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
Dig. Multichannel Temp. Data Logger with sensor	Countron	23100000032	Indian Calibration Services, Delhi	06/01/2023	6/01/2024

<b>USED EQUIPMENT DETAILS</b>	N/A
<b>PRINCIPLE/METHODOLOGY OF CALIBRATION:</b>	As per Calibration Procedure No.: ICS/CAL/SOP-TH04 (ITS-90) (Measurement Method)

### RESULTS: Thermal Calibration (Temperature)

Location Details	Corrected Value of Standard (Average)	Uncertainty at Approx 95% C.L and Coverage Factor K=2	Location Diagram
Location - 1 (L - 1)	-19.6°C	± 1.2°C	
Location - 2 (L - 2)	-19.8°C	± 1.2°C	
Location - 3 (L - 3)	-19.5°C	± 1.2°C	
Location - 4 (L - 4)	-19.3°C	± 1.2°C	

**REMARKS:** The recommended date for next validation is mentioned, as asked by the customer.

\*\*\* END OF REPORT \*\*\*



- Note :**
- This report is not to be reproduced wholly or in part and cannot be used as an evidence in the Court of Law and should not be used in any advertising media without our special permission in writing.
  - The result listed refer only to the tested samples and applicable parameters. Endorsement of products is neither inferred nor implied.
  - Total liability of our Organisation is limited to the invoiced amount.
  - Samples will be destroyed after one month from the date of issue of Calibration Certificate unless otherwise specified.
  - In case any reconfirmation of contents of this Calibration Certificate is required. Please contact our office.
  - The calibration certificate/Test Report is valid only for the condition of the UUC at the time under stated condition of calibration.

For and on behalf of  
Indian Calibration Services

Checked by

Authorised Signatory  
RAJESH KAPOOR  
Operation-Head



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## CALIBRATION CERTIFICATE

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### CALIBRATION CERTIFICATE OF DIGITAL MULTICHANNEL DATA LOGGER

Certificate No:	23100000032	Issued On:	07/01/2023
ULR No:	CC214623100000032F	Calibration Date:	06/01/2023
Job Identification No:	ICS/C/T/01/032	Next Calibration Date:	06/01/2024
Ref. No:	SRF, Dated - 02/01/2023	Receipt Date:	02/01/2023

<b>CALIBRATED FOR:</b>	M/s INDIAN CALIBRATION SERVICES, 313 & 304, Laxmi Deep District Centre, Near NirmanVihar Metro Station, Laxmi Nagar, Delhi - 110092
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### EQUIPMENT DESCRIPTION

Name	Digital Multichannel Temperature Data Logger with sensor (30 Channel)		
Make/Model	Countron	Visual Inspection	Ok
Serial No.	---	I.D. No.	ICS/T/INS/35
Range	-80°C to 400°C	Least Count	0.1 °C
Location	---	Calibration Site	In-Lab

### ENVIRONMENTAL CONDITIONS

Temperature	25.0 °C ± 3.0 °C	Humidity	50 ± 10 % RH
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### STANDARD REFERENCE DETAILS Traceable to National / International Standard

Name of the Standard	Make/Model	Certificate No.	Calibration Agency/Traceability	Date of Calibration	Valid up to
RTD Sensor with Digital Indicator	Yudian	ETL/2113/22/C/F/061	FCRI, Palakkad	02-03-2022 to 04-03-2022	04-03-2023
RTD Sensor with Digital Thermometer	Yudian	CC288822000000249F	Sigma, Delhi	18/02/2022	18/02/2023

<b>USED EQUIPMENT DETAILS</b>	Methanol Bath, Water Bath & Dry Block Calibrator
<b>PRINCIPLE/METHODOLOGY OF CALIBRATION:</b>	As per Calibration Procedure No.: ICS-JCAL/SOP-TH02, ITS-90 (Comparison Method) Immersion Depth - 90 mm, Sensor Dia. - 6 mm

### RESULTS: Thermal Calibration (Temperature)

All Readings are in "° C"

Std. Reading (Avg.)	U.U.C. Reading (Channel No.) (Average)									Uncertainty <sup>^</sup>
	# 01	# 02	# 03	# 04	# 05	# 06	# 07	# 08	# 09	
-79.981	-79.7	-79.8	-79.6	-79.9	-80.1	-79.8	-79.7	-79.8	-80.0	± 0.17 °C
-39.973	-39.7	-39.7	-39.9	-40.1	-39.8	-39.9	-39.8	-40.1	-39.8	± 0.26 °C
-20.095	-19.8	-20.1	-20.1	-19.9	-20.1	-20.2	-19.8	-19.9	-20.2	± 0.15 °C
0.057	0.1	0.2	0.1	0.0	0.1	0.0	-0.1	0.2	0.1	± 0.11 °C
49.987	49.8	50.1	49.8	49.7	50.1	49.9	49.8	50.1	49.7	± 0.14 °C
99.862	99.6	99.7	99.8	99.8	100.1	100.2	99.6	99.7	100.1	± 0.32 °C
199.753	199.4	199.2	199.5	199.3	199.8	199.5	199.6	199.3	199.5	± 0.46 °C
299.543	298.8	299.1	298.9	298.9	299.1	298.8	299.2	299.1	299.2	± 0.28 °C

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