





CALIBRATION CERTIFICATE

Name of the Customer : **M/s, ICTC 2, District Hospital Chikamagalur,**
Address **Chikamagalur district**

ULR-CC31032300000325F

Customer Reference : SRF No: 1027 Date : 11-10-2023

Calibration Certificate Number	Calibrated On	Customer Recom Due Date	Page No.
FCL/23/1027-01	11-10-2023	10-10-2024	1 of 1

Details of device under calibration(DUC)

UC: Centrifuge	ID No: RPM-01
Make/Model: Remi	DUC condition on Receipt: Good
Range/LC: 0 to 5000 RPM	Cal At: ICTC LAB
SI.No: JMLC-7949	Date of Receipt: 11-10-2023
Cal Procedure No: FCL-SOP-MECH-02	Issue Date: 13-10-2023

Environmental conditions Temperature: 20.4 °C Relative Humidity: 42 %RH

Standards used:

SI.No	Nomenclature	Make & Model	SI.No	Traceability	Validity
1	Tachometer	Lutron	Q652919	TMS/23/132-07	20-08-2024

Observation: Contact Mode :

SI No.	Standard Reading	UUC Set	Deviation Observed	Expanded Uncertainty Ue
	in RPM	in RPM	in RPM	in ± RPM%
1	1590	1	-----	2.5
2	2116	2	-----	2.5
3	2514	3	-----	2.5
4	2755	4	-----	2.5
5	3191	5	-----	2.5

standard followed -SANAS TR 45-01

The above UUC was calibrated using comparison method

The reported expanded uncertainty is calculated at Confidence level =95.45%. Coverage factor k = 2

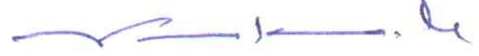
Calibrated by



Rajashekar
(Calibration Engineer)



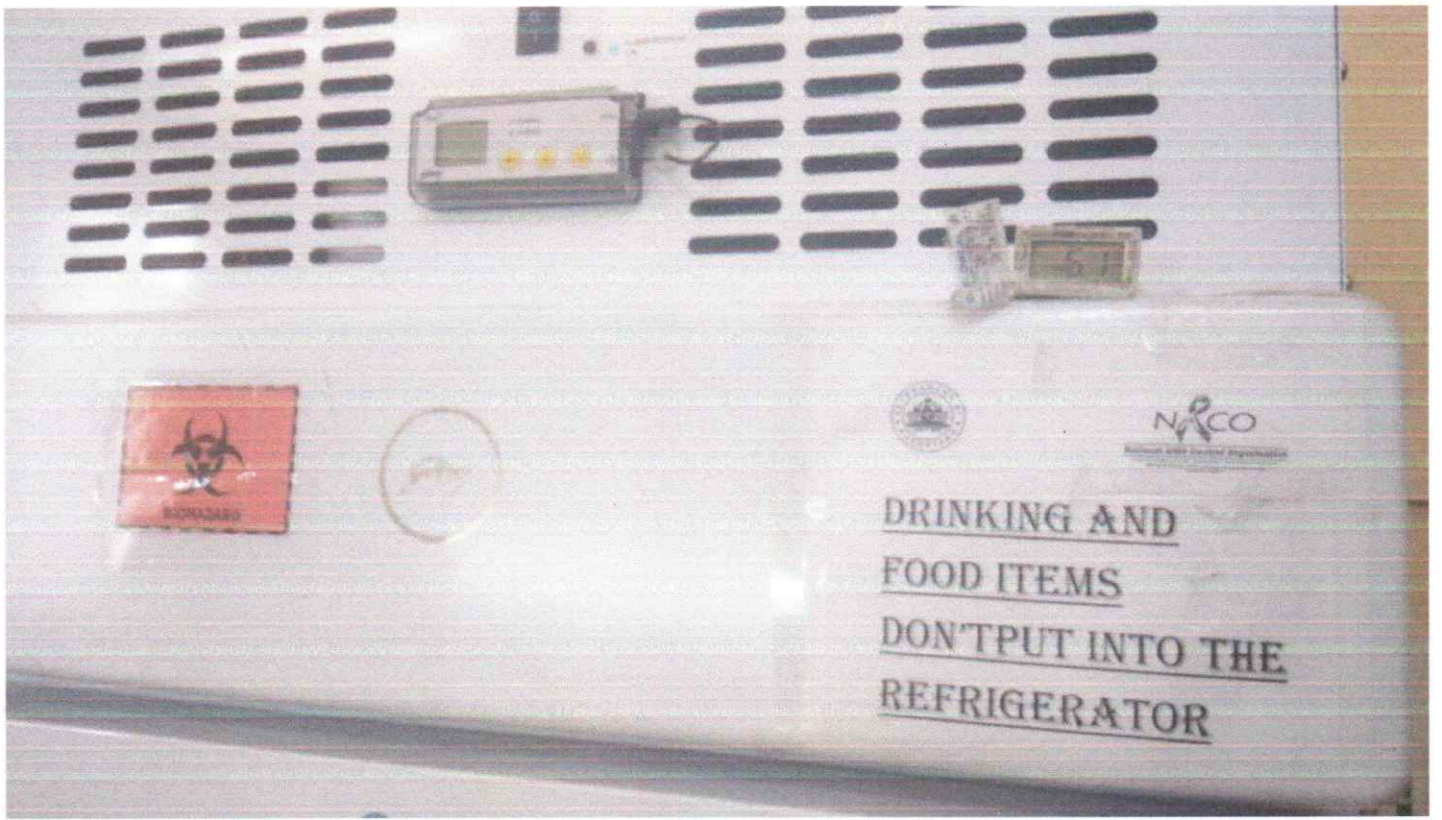
Authorized by



Vinay kumar.M
(Quality Manager)







CALIBRATION CERTIFICATE

Name of the Customer : Address	M/s, ICTC 2, District Hospital Chikamagalur, Chikamagalur district	FCL/FM/CL/06 Page No. 1 of 1
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Customer Reference:

SRF No. :1027	SRF Date :11-10-2023
Certificate No. :FCL/23/1027-02	Calibrated On :11-10-2023
ULR No. :CC31032300000326F	Recommended Cal. Due :10-10-2024

Details of device under calibration (DUC):

Description : DIGITAL THERMOMETER	Cal. Procedure : FCL-SOP-THE-01
Make :NA	DUC received on :11-10-2023
Model / Type :NA	Status on receipt :Satisfactory
SI No. :NA	Loc. :ICTC(P)LAB
ID No. :DTM-01	Certificate Issue date : 13-10-2023

Environmental Conditions:

Temperature : 25 ± 4 °C	Humidity : 30% RH to 75% RH
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Standards used for Calibration and Traceability Details:

Sl. No.	Nomenclature	Make	Sl. No/ID No	Traceable to	Validity
1	4 Wire RTD Sensor With Handy Calibrator	Tempens, Yokogawa-CA71	23000079 & TIN5010	TMS/23/56-01	03-Apr-24

Note:

- The Calibration Certificate relates only to the above DUC.
- Calibration Certificate Shall not be reproduced except in full, without written approval of the Flowcal
- The usage of NABL symbol is as per NABL guidelines given in NABL 133.
- Standard maintained are traceable to National / International Standard through accredited laboratories.

Results:

Sl. No.	Range/LC	DUC Reading in °C	STD Reading in °C	Error Claimed ± in °C	Error Observed in °C	Measurement Uncertainty ± in °C
1	-20°C to 30 °C /1°C	-20	-20.2	1.0	0.2	0.80
2		-10	-10.3		0.3	0.80
3		0	0.1		-0.1	0.80
4		10	10.2		-0.2	0.80
5		20	20.3		-0.3	0.80
6		30	30.2		-0.2	0.80

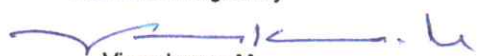
Conclusion Remarks:-

- Measurement Uncertainty reported is at 95.45 % confidence level K=2
.....End of Calibration Certificate.....

Calibrated By


Rajashekar
(Calibration Engineer)


Authorised Signatory


Vinay Kumar.M
(Quality Manager)
