

CALIBRATION CERTIFICATE

SS/ FF-20/ v1

Page No: 1 of 1

1 Name and Full Address of Customer: M/s. ICTC.,
Gurunanak Hospital, Near Gurudwara,
Bidar - 585401.

2 Customer Reference

2.1 SRF No	: A4786	Date of Receipt : 08 November 2023
2.2 Certificate No.	: SS/23/A4786-01	ULR No : CC229123000018621F
2.3 Date of Calibration	: 08 November 2023	Date of issue : 10 November 2023
2.4 Next Calibration Due	: 07 November 2024	

3 Details Of Device Under Calibration(DUC).

3.1 Nomenclature	: Digital Timer	Model : SW306
3.2 Make	: Racer	ID. No. : ICTC/Gurunanak/Timer-01
3.3 Sl.No	: --	Range : 0 to 99 min
3.4 No.of Pages	: 1	LC : 1 sec
3.5 Calibration Procedure No.	: SOP-ETH-28	
3.6 DUC Condition	: Satisfactory	
3.7 Calibration done at	: ET Lab, Sarvashree	
3.8 Discipline	: Electro - Technical	

4 Environmental Condition

4.1 Temperature 22 °C Humidity 52 %RH

5 Standards Used for calibration


Sl. No.	Nomenclature	Make / Model	Sl. No	Traceable Cert. No.	Validity
1	Digital Stop Watch	CASIO/HS-80TW	J009Q03	CC2300752/1	06-Apr-24

6 Calibration Results :-

SL No.	DUC Reading in min	Standard Reading in H:min:sec:1/1000s	Observed Deviation H:min:sec:1/1000s	Measurement Uncertainty ±
1	5	00:05:00:016	00:00:00:016	0.3%
2	10	00:10:00:026	00:00:00:026	0.3%
3	20	00:20:00:031	00:00:00:031	0.3%
4	30	00:30:00:047	00:00:00:047	0.3%
5	60	01:00:00:052	00:00:00:052	0.3%
6	90	01:30:00:058	00:00:00:058	0.3%


7 Note:

7.1. Kindly refer to Note(s) Section mention as below.

Calibrated By

Abhishek
(Calibration Engineer)



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

Authorised By

Sanath K S
(Lab In Charge)

CALIBRATION CERTIFICATE

Customer Name & Address : M/S ICTC
Gurunanak Hospital
Near gurdwara Bidar-585401

ULR:CC31032300000342F

Customer Reference : **SRF No:** 1031 **Date :**27-10-2023

Calibration Certificate Number	Calibrated On	Customer Recom Due Date	Page No.
FCL/23/1031-01	27-10-2023	26-10-2024	1 of 1

Details of device under calibration(DUC)

DUC: Centrifuge	ID No: :ICTC/Gurunank Hospital/CNF-01
Make/Model: Remi/R-8C	DUC condition on Recei Good
Range(LC): 0-5250 rpm/10 rpm	Cal At: In house
Sl.No: :ZEHN-24628	Date of Receipt 27-10-2023
Cal Procedure No FCL-SOP-MECH-02	Date of issue :02/11/2023

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

Standards used:

Sl.No	Nomenclature	Make & Model	Sl.No	Traceability	Validity
1	Tachometer	Lutron	Q652919	TMS/23/132-07	20.08.2024

Observation: Non Contact Mode :

Sl No.	Standard Reading	Mean UUC Reading	Deviation Observed	Expanded Uncertainty Ue
	in RPM	in RPM	in RPM	in ± RPM%
1	102.2	100.0	2.2	2.5
2	1052.3	1050.0	2.3	2.5
3	2101.4	2100.0	1.4	2.5
4	3155.7	3150.0	5.7	2.5
5	4209.5	4200.0	9.5	2.5
5	5056.4	5050.0	6.4	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

Authorized by



Rajashekar
(Calibration engineer)




Vinay kumar.M
(Quality Manager)

CALIBRATION CERTIFICATE

FCL/FM/CL/06

Name of the Customer : M/S ICTC
Address : Gurunanak Hospital
Near gurdwara Bidar-585401

Page No.
1 of 1

Customer Reference:

SRF No. :1031	SRF Date :27-10-2023
Certificate No. :FCL/23/1031-02	Calibrated On :27-10-2023
ULR No. :CC31032300000343F	Recommended Cal. Due :26-10-2024

Details of device under calibration (DUC):

Description :Digital Thermometer	Cal. Procedure : FCL-SOP-THE-01
Make :Aceteg	DUC received on :27-10-2023
Model / Type :DC-2	Status on receipt :Satisfactory
SI No. : NA	Loc. :ICTC LAB
ID No. :ICTC/Gurunanak Hospital/THM-01	Certificate Issue date : 02-11-2023

Environmental Conditions:

Temperature : 25 ± 4 °C	Humidity : 30% RH to 75% RH
-------------------------	-----------------------------

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 /0.1°C	-20	-20.1	1.0	0.1	0.80
2		-10	-10.2		0.2	0.80
3		0	0.4		-0.4	0.80
4		10	10.3		-0.3	0.80
5		30	30.5		-0.5	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)