



Sarvashree

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CC-2291

NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 with vide Certificate No: CC-2291

CALIBRATION CERTIFICATE

CS/FF-20/v1

Page No: 1 of 1

1 Name and Full Address of Customer:

M/s. ICTC Lab.,
Room No 13, General Hospital, Aurad & B Tasil Road,
Aurad Tq, Aurad Dist, Bidar Pin Code - 585326.

2 Customer Reference

2.1 SRF No : A4787 Date of Receipt : 08 November 2023
2.2 Certificate No. : SS/23/A4787-01 ULR No : CC229123000018622F
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/Aurad/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 55 %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	00:05:00:009	00:00:00:009	0.3%
2	10	00:10:00:017	00:00:00:017	0.3%
3	20	00:20:00:025	00:00:00:025	0.3%
4	30	00:30:00:037	00:00:00:037	0.3%
5	60	01:00:00:045	00:00:00:045	0.3%
6	90	01:30:00:057	00:00:00:057	0.3%

7 Note:

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

Calibrated By

Abhishek

Abhishek

(Calibration Engineer)



Authorised By

Sanath K S
Sanath K S
(Lab in-Charge)

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

NOTE: 1. Measurement Uncertainty reported is at approx 95.45% confidence level with coverage factor k=2. 2. Publication or reproduction of this Certificate in any form other than by complete set of the whole report & in the language, written, is not permitted without the written consent of Sarvashree. 3. The Calibration Certificate relates only to the above DUC. DUC Indicates Device Under Calibration. 4. Corrections/Erasing invalidate the calibration certificate. 5. All Standards / Masters used for calibration are traceable to National / International Standards. 6. Any error in this cert should be brought to our knowledge within 45 days from the date of this certificate. 7. Results reported are valid at the time of and under stated conditions of measurements. 8. Conformity statement is given only when requested by the customer. 9. NABL-133 Guidelines are adopted for use of NABL Symbol.



FLOW CAL

TRUSTED AND RELIABLE CALIBRATION

NABL Accredited Calibration Lab as per ISO/IEC 17025:2017

#71, Koorgalli Industrial Area, Mysuru-570 018. Mob: 98865 02708, Email: vlnay1flowcal@gmail.com, www.flowcal.in



CALIBRATION CERTIFICATE

Customer Name & Address : M/S ICTC Lab Room No-13 General Hospital
Aurad B tasil Road Aurad B talluk Bidar District
Pin Code:-585326

ULR:CC31032300000346F

Customer Reference : SRF No: 1033 Date :28-10-2023

Calibration Certificate Number	Calibrated On	Customer Recom Due Date	Page No.
FCL/23/1033-01	28-10-2023	27-10-2024	1 of 1

Details of device under calibration(DUC)

DUC: Centrifuge	ID No: :ICTC/Aurad/GH/CNF-01
Make/Model: Droplet	DUC condition on Recei Good
Range(LC): 0-3500 rpm	Cal At: ICTC LAB
Sl.No: :NA	Date of Receipt 28-10-2023
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	UUC Set	Deviation Observed	Expanded Uncertainty Ue
	in RPM	in RPM	in RPM	in ± RPM%
1	1685.0	1	-----	2.5
2	1825.0	2	-----	2.5
3	1881.0	3	-----	2.5
4	2100.0	4	-----	2.5
5	2900.0	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

Authorized by


Rajashekar
(Calibration engineer)




Vinay kumar.M
(Quality Manager)

CALIBRATION CERTIFICATE

Name of the Customer :
AddressM/S ICTC Lab Room No-13 General Hospital
Aurad B tasil Road Aurad B taluk Bidar District
Pin Code:-585326

ULR:CC31032300000347F

Customer's Reference

SRF No

1033

Dated 28-10-2023

CAL CERT. NO.	CALIBRATED ON	RECOMMENDED CAL DUE	PAGE NO.
FCL/23/1033-02	28-10-2023	27-10-2024	1 of 1

Date of receipt & condition : 28-10-2023 : Satisfactory
 Environmental Conditions: : Temp. : 25°C Humidity : 50%RH
 Calibration Procedure : FCL-SOP-THE-05
 Description of the instrument : Temperature & Humidity Meter
 Make : HTC Model : HTC-2
 SL No : NA ID No : ICTC/Aurad/GH/THM-01
 Location : ICTC LAB
 Range : 10% to 99% RH & -50°C to 70°C
 Resolution : 1°C, 5%RH
 ISSUED DATE : 02-10-2023

Standards used:

Sl. No.	Nomenclature	Make & Model	SL No./ID No.	Traceable to	Validity
1	Humidity Temp Meter	Rotronic/HP-23A	61789382/2029172 5 FCL-TH-08	TRACEMATRICS (TMS/23/54-01)	21-03-2024

Humidity Calibration Results @25°C

SL No	Standard Reading In °C	Standard Reading In %RH	DUC Reading In °C	DUC Reading in % RH	Deviation Observed in °C	Deviation Observed in % RH	Measurement Uncertainty in % RH
1	25.1	30.07	25.2	30	0.1	-0.07	0.9
2	25.3	40.10	25.5	40	0.2	-0.10	0.9
3	25.2	60.23	25.3	60	0.1	-0.23	0.9
4	25.1	80.36	25.2	80	0.1	-0.36	0.9
5	25.2	90.22	25.4	90	0.2	-0.22	0.9

Temperature Calibration Results of external sensors

SL No	Standard Reading In °C	DUC Reading In °C	Deviation Observed in °C	Measurement Uncertainty in °C
1	10.14	10.23	0.1	0.8
2	20.15	20.25	-0.1	0.8
3	30.17	30.41	0.2	0.8
4	40.20	40.55	0.3	0.8
5	50.24	50.42	-0.2	0.8

Note:

- Measurement Uncertainty is reported at 95% confidence level. With k=2
- Publication or reproduction of this certificate in any form other than by complete set of the whole certificate & in the language, written, is not permitted without the written consent of FLOWCAL
- The Calibration Certificate relates only to the above DUC. (Device Under Calibration)

Calibrated By


Rajashekar
Calibration Engineer

Authorised By


Vinay Kumar M
Quality manager