

## CALIBRATION CERTIFICATE

SS/FF-20/ v1

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**1 Name and Full Address of Customer:** M/s. PPTCT.,  
Department of Obstetrics & Gynecology,  
Bidar Institute of Medical Sciences, Bidar.

**2 Customer Reference**

2.1 SRF No : A4643 Date of Receipt : 27 October 2023  
2.2 Certificate No. : SS/23/A4643-03 ULR No : CC229123000018473F  
2.3 Date of Calibration : 27 October 2023 Date of issue : 02 November 2023  
2.4 Next Calibration Due : 26 October 2024

**3 Details Of Device Under Calibration(DUC).**

3.1 Nomenclature : Digital Timer Model : SW306  
3.2 Make : Racer ID. No. : PPTCT/BRIMS/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 : Onsite  
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	20	00:20:00:067	00:00:00:067	0.3%
2	30	00:30:00:069	00:00:00:069	0.3%
3	40	00:40:00:101	00:00:00:101	0.3%
4	50	00:50:00:182	00:00:00:182	0.3%
5	60	01:00:00:219	00:00:00:219	0.3%
6	90	01:30:00:051	00:00:00:051	0.3%

**7 Note:**

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

Calibrated By

  
Ajeesh A  
(Calibration Engineer)



Authorised By

  
Sanath K S  
(Lab In-Charge)

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



## CALIBRATION CERTIFICATE

**Customer Name & Address :** M/S PPTCT  
Department Of Obstetrics and Gynecology  
Bidar Institute of Medical sciences Bidar

ULR:CC31032300000339F

Customer Reference :

SRF No:

1029

Date :27-10-2023

Calibration Certificate Number	Calibrated On	Customer Recom Due Date	Page No.
FCL/23/1029-01	27-10-2023	26-10-2024	1 of 1

## Details of device under calibration(DUC)

DUC:	Centrifuge	ID No:	:PPTCT/BRIMS/CNF-01
Make/Model:	Remi/C-85416	DUC condition on Recei	Good
Range(LC):	0-3500RPM	Cal At:	PPTCT Lab
Sl.No:	:ZILN-44626	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	UUC Set	Deviation Observed	Expanded Uncertainty Ue
	in RPM	in RPM	in RPM	in ± RPM%
1	1544.0	1	-----	2.5
2	2132.0	2	-----	2.5
3	2589.0	3	-----	2.5
4	2880.0	4	-----	2.5
5	3367.0	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


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Calibrated by

Authorized by

  
Rajashekar  
(Calibration engineer)



  
Vinay kumar.M  
(Quality Manager)



## CALIBRATION CERTIFICATE

FCL/FM/CL/06

Name of the Customer :	M/S PPTCT	Page No. 1 of 1
Address	Department Of Obstetrics and Gynecology Bidar Institute of Medical sciences Bidar	

## Customer Reference:

SRF No. :1029	SRF Date :27-10-2023
Certificate No. :FCL/23/1029-02	Calibrated On :27-10-2023
ULR No. :CC31032300000340F	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. :PPTCT LAB
ID No. :PPTCT/BRIMS/THM-01	Certificate Issue date : 02-11-2023

## 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 /0.1°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	10.4		-0.4	0.80
5		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)