



### Sarvashree

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calibration@sarvashree.com

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

### **CALIBRATION CERTIFICATE**

SS/ FF-20/ v1

Page No: 1 of 1

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 2.2 Certificate No.

: SS/23/A4643-03

Date of Receipt: 27 October 2023 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 SI.No

Range: 0 to 99 min

LC: 1 sec

3.4 No. of Pages

: 1

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

SI. No.	Nomenclature	Make / Model	SI. 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%

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

Calibrated By

Ajeesh A (Calibration Engineer)





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



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

#71, Koorgalli Industrial Area, Mysuru-570 018. Mob: 98865 02708, Email: vinay1flowcal@gmail.com, www.flowcal.in

### **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: :PPTC	T/BRIMS/CNF-01	
Make/Model:	Remi/C-85416	DUC condition on R	tecei Good	
Range(LC):	0-3500RPM	Cal At:	PPTCT Lab	
Sl.No:	:ZILN-44626	Date of Receipt	27-10-2023	
Cal Procedure N	lo 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:

SI No.	Standard Reading  UUC Set  Deviation Observed		Expanded Uncertainty Ue	
	in RPM	in RPM	in RPM	in ± RPM%
1	1544.0	1 4	J	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

Calibrated by

Authorized by

D

Rajashekar (Calibration engineer)

Vinay kumar.M (Quality Manager)



# FLOW CAL



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

#71, Koorgalli Industrial Area, Mysuru-570 018. Mob: 98865 02708, Email: vinay1flowcal@gmail.com, www.flowcal.in

### CALIBRATION CERTIFICATE

FCL/FM/CL/06

Name of the Customer:

M/S PPTCT

Address

Department Of Obstetrics and Gynecology

Bidar Institute of Medical sciences Bidar

Page No. 1 of 1

Customer Referance:

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	e 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

Standards used for Calibration and Traceability Details:

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

### Note:

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

#### Results:

SI. 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:-

P

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

Calibrated By

4

Rajashekar (Calibration Engineer)

**Authorised Signatory** 

Vinay kumar.M (Quality Manager)