



## CALIBRATION CERTIFICATE

<b>1.CUSTOMER</b> :-	Page No. :- 1 of 1
<b>ICTC CENTRE</b>	SRF No :- GTS/220928/01
Community Health Centre, VALPOI, GOA	Certificate No. :- GTS/220928/01-001
	Date of Received :- 28.09.2022
	Date of Calibration :- 28.09.2022
	Next Calibration Due On :- 27.09.2023
	Issue Date :- 05.10.2022
Ambient Temp. (°C) :- 21 to 40	Calibration method No. :- MECH-WI-07
Relative Humidity (%RH) :- 30 to 75	ULR No :- CC295722000010159F
Location of calibration :- On Site	
Condition of Item :- Ok	

### 2. Description of Item

Name :- Centrifuge	Range :- 0 to 3500 RPM
Id No :- GSACS/CENT/ICTC/CHC/VAL/1-8/17-18/05/07	Least Count :- --
Make :- RemiC852/4	Location :- ICTC LAB
Type :- Knob	Sr No :- ABLC 20
	Dept. :- GSACS

### 3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Digital Tachometer	NI/2205/059/003	Nishitronics Instrumentation	GTS/TM/01	22.05.2023

### \* Discipline-Mechanical

### 4.Calibration Results :-

Sr No	Standard Reading RPM	Knob No on UUC	Expanded Uncertainty in $\pm$ %
1	854.2	1	4.20
2	1457	2	1.20
3	2390	3	1.20
4	2817	4	1.20
5	3411	5	1.20

- Note:**
- 1)The reported uncertainty is the expanded uncertainty in measurement obtained by multiplying the standard uncertainty by the coverage factor  $k=2$ , which corresponds to a coverage probability of approximately 95.45% for normal distribution
  - 2) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
  - 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
  - 4) Calibration point were selected as per customer specifications.
  - 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".
  - 6)The Instruments used for calibration are traceable to National/International standards and their Calibrations are valid.

Calibrated By

Rohit L

Calibration Engineer

Rohit L



Approved By

Swarnil

Technical Manager

Swarnil Bhagwat

End of Certificate

RF-55/01



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<b>1.CUSTOMER</b> :-	Page No. :- 1 of 1
<b>ICTC CENTRE</b> Community Health Centre, VALPOI, GOA	SRF No :- GTS/220928/01
	Certificate No. :- GTS/220928/01-002
	Date of Received :- 28.09.2022
	Date of Calibration :- 28.09.2022
	Next Calibration Due On :- 27.09.2023
	Issue Date :- 05.10.2022
Ambient Temp. (°C) :- 21 to 40	Calibration method No. :- TH-WI-02
Relative Humidity (%RH) :- 30 to 75	ULR No :- CC295722000010160F
Location of calibration :- On Site	
Condition of Item :- Ok	

<b>2. Description of Item</b>			
Name :- TIWS (Refrigerator)	Range :- 0 to -20/2 to 8 °C		
Id No :- GSACS/REF/ICTC/CHC/VAL/1-9/17-18	Least Count :- 1 °C		
Make :- VIDEOCON	Location :- ICTC LAB		
Type :- --			
	Sr No :- --		
	Dept. :- GSACS		

<b>3.Details of Equipment used for calibration</b>				
Name	Certificate No.	Certified By	ID No.	Calibration Validity
Precision Thermometer With Sensor	NI/2205/059/002	Nishitronics Instrumentation	GTS/PTH/01	22.05.2023

<b>*Thermal Calibration</b>				
<b>4.Calibration Results</b> :-				
Calibration Points °C	Corrected Standard Reading °C	UUC Reading °C	Error in °C	Expanded Uncertainty in ± °C
-20	-20.13	-20	0.13	0.50
2	1.86	2	0.14	0.50
5	4.89	5	0.11	0.50
8	7.94	8	0.06	0.50

**Note:**

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- 3) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 4) Calibration point were selected as per customer specifications.
- 5) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Technical Manager of "Global Technical Services, Pune".
- 6) Type of immersion : Partial
- 7)The Instruments used for calibration are traceable to National/International standards and their Calibrations are valid.

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Rohit

Calibration Engineer

Rohit.L

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SB

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Swapnil Bhagwat

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	Certificate No. :- GTS/220928/01-003
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	Date of Calibration :- 28.09.2022
	Next Calibration Due On :- 27.09.2023
	Issue Date :- 05.10.2022
Ambient Temp. (°C) :- 25±4	Calibration method No. :- TH-WI-02
Relative Humidity (%RH) :- 30 to 75	ULR No :- CC295722000010161F
Location of calibration :- In Lab	
Condition of Item :- Ok	

### 2. Description of Item

Name :- Digital Thermometer	Range :- -30 to 50 °C
Id No :- GSACS/THERMO/ICTC/CHC/V AL/13-14	Least Count :- 0.1 °C
Make :- TFA	Location :- ICTC LAB
Type :- Digital	
	Sr No :- --
	Dept. :- GSACS

### 3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Precision Thermometer With Sensor	NI/2205/059/002	Nishitronics Instrumentation	GTS/PTH/01	22.05.2023

### \*Thermal Calibration

#### 4.Calibration Results :-

Calibration Points °C	Corrected Standard Reading °C	UUC Reading °C	Error in °C	Expanded Uncertainty in ± °C
-20	-20.08	-20	0.08	0.50
2	1.78	2	0.22	0.50
5	4.86	5	0.14	0.50
8	7.88	8	0.12	0.50

#### Note:

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