



# GLOBAL TECHNICAL SERVICES

Sec. No.25, Plot No.49/3, L.I.G. Colony, Pradhikaran, Nigdi, Pune - 411044

Email : globaltechnical007@gmail.com

Mob : 9921239827 / 7276302207 / 9028888728



CC-2957

## CALIBRATION CERTIFICATE

<b>1.CUSTOMER</b> :-	Page No.	:- 1 of 1
<b>SP HITECH PATHOLOGY LABORATORY</b> Trimurti Plaza, Near Pavana Sahakari Bank, Somatane Phata Talegaon Dabhade Somatane Phata, Talegaon Dabhade, PCMC, Pune, Maharashtra 410506	SRF.No.	:- GTS/220527/02
	Certificate No.	:- GTS/220527/02- 004
	Date of Received	:- 25.05.2022
	Date of Calibration	:- 25.05.2022
	Next Calibration Due On	:- 24.05.2023
	Issue Date	:- 27.05.2022
	Ambient Temp. (°C)	:- 21 to 40
	Relative Humidity (%RH)	:- 30 to 75
	Location of calibration	:- On Site
	Condition of Item	:- Ok
	Calibration method No.	:- MECH-WI-02,03
	ULR No	:- CC298722000004113F

<b>2. Description of Item</b>			
Name	:- Pressure Gauge	Range	:- 0 To 2.1 kg
Id No	:- SPHL/EQ/ACL/12	Least Count	:- 0.05 kg
Make	:- URAVI	Location	:- Autoclave Room
Type	:- Analog		

<b>3.Details of Equipment used for calibration</b>				
Name	Certificate No.	Certified By	ID No.	Calibration Validity
Digital Pressure Gauge	NI/2106/002/001	Nishitronics Instrumentation	GTS/PG/01,	31.05.2022

### \*Discipline : Mechanical Calibration

<b>4.Callibration Results</b>								
Cal Point On UUC P (Actual)	Reading On Master Instrument			Mean Value Miw ((M1+M3)/2+M2)	Deviation [P(Actual) - Miw]	Repeatability [M3-M1]	Hysteresis M2-M1	Expanded Uncertainty
	M1	M2	M3					
kg	kg	kg	kg	kg	kg	kg	kg	±%
0.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.27
0.8	0.795	0.795	0.795	0.795	0.005	0.000	0.000	1.27
1.0	0.993	0.993	0.993	0.993	0.007	0.000	0.000	1.27
1.8	1.784	1.784	1.783	1.784	0.016	-0.001	0.000	1.27
2.0	1.982	1.982	1.984	1.983	0.017	0.002	0.000	1.27

- 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  
  
 Calibration Engineer  
 SUNIL T



Approved By  
  
 Technical Manager  
 Swapnil Bhagwat

RF-55/01

End of Certificate

Email : globaltechnical007@gmail.com



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## CALIBRATION CERTIFICATE

### 1) Customer

#### Name & Address

SP HITECH PATHOLOGY LABORATORY  
Trimurti Plaza, Near Pavana Sahakari Bank,  
Somatane Phata Talegaon Dabhade Somatane Phata,  
Amb. Temp. : 25±5 °C  
Relative Humidity : 50±20 %RH  
Condition of Item : ok

Calibration Certificate No. : GTS/220525/02- 015  
Page No : 1 of 2  
Date of Received : 25.05.2022  
Date of Calibration : 25.05.2022  
Calibration Due On : 24.05.2023  
Location of Calibration : On Site

### 2) Details of UUC

Name : Urine Analyzer Make : Aspen  
ID No : SPHL/EQ/URA/05 Model : uriplus 200  
Sr No : 210010041629  
Location : Clinical Patholgy

### 3) STANDARD USED FOR CALIBRATION

Name : Electrical Safety Analyzer  
Certificate No : 2020001300  
Certified By : Fluke Biomedical, USA  
ID/Sr No : 4885027  
Due Date : 12.02.2023

### 4) CALIBRATION RESULTS : EST TEST

#### VISUAL TEST

Sr No	Parameter	Result
1	Power Cords, Cables Checking	OK
2	Mains Socket Checking	OK
3	Equipment Type (B, BF, CF)	B
4	Equipment Class (I, II, III)	I

B-Body Type,BF-Body Float Type,CF-Cardiac Float Type  
I-Properly Earthed ,II-Double Insulation,III-With Extra Low Safety Voltage

#### FUNCTIONAL TEST

Sr No	Parameter	Obsereved	Tolerance	Result
1	Voltage between Live and Neutral (Vln)	235.84	(210-240V)	Pass
2	Voltage between Live and Earth(Vle)	236.95	(210-240V)	Pass
3	Voltage between Neutral and and Earth (Vne)	1.13	(0-5V)	Pass
4	Enclosure Current	0.50	(0-10µA)	Pass
5	Leakage Current (IL)	125.62	(0-500µA)	Pass
6	Patient Leakage Current (PL)	0.75	(BF-0-100µA) (CF-0-10µA)	Pass



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Calibration Certificate No .

GTS/220525/02- 015

Page No 2 of 2

Note :

- 1) This certificate refers only to the particular item submitted for calibration. UUC stands for Unit Under Calibration.
- 2) This calibration results reported in the certificate are valid at the time of and the stated conditions of measurement.
- 3) Calibration Points were selected as per customer specification.
- 4) 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 GTS,Pune.
- 5) Procedure used for calibration : MD-05

Calibrated By

S.C

Calibration Engineer  
Mr Shafik Chorgaste



Approved By

Technical Manager  
Mr. Swapnil Bhagwat

RN-21/0

\*\* End of the certificate \*\*

Email : [globaltechnical007@gmail.com](mailto:globaltechnical007@gmail.com)



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CC-2957

## CALIBRATION CERTIFICATE

### 1.CUSTOMER :-

**SP HITECH PATHOLOGY LABORATORY**  
Trimurti Plaza, Near Pavana Sahakari Bank,  
Somatane Phata Talegaon Dabhade Somatane Phata,  
Talegaon Dabhade, PCMC, Pune, Maharashtra 410506

Ambient Temp. (°C) :- 21 to 40  
Relative Humidity (%RH) :- 30 to 75  
Location of calibration :- On Site  
Condition of Item :- Ok

Page No. :- 1 of 1  
SRF No GTS/220525/02  
Certificate No. :- GTS/220525/02- 005  
Date of Received :- 25.05.2022  
Date of Calibration :- 25.05.2022  
Next Calibration Due On :- 24.05.2023  
Issue Date :- 27.05.2022  
Calibration method No. :- TH-WI-02  
ULR No :- CC298722000004114F

### 2. Description of Item

Name :- TIWS(Incubator) Range :- 30 To 110 °C  
Id No :- SPHL/EQ/ICR/13 Least Count :- 5 °C  
Make :- Bictrogical Location :- Clinical Pathology  
Type :- Knob  
Sr No -  
Dept -

### 3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Precision Thermometer With Sensor	NI/2106/002/004	Nishitronics Instrumentation	GTS/PTH/01	31.05.2022

### \*Thermal Calibration

### 4.Calibration Results :-

Calibration Points °C	Corrected Standard Reading °C	UUC Reading °C	Error in °C	Expanded Uncertainty in ± °C
37	37.34	38	0.66	0.60

### 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.

Calibrated By

*Rohit*

Calibration Engineer

Rohit.L

RF-55/01



End of Certificate

Approved By

*Swapnil*

Technical Manager  
Swapnil Bhagwat

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## CALIBRATION CERTIFICATE

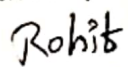
<b>1.CUSTOMER</b>	:-	Page No.	:- 1 of 1
<b>SP HITECH PATHOLOGY LABORATORY</b>		SRF No	GTS/220525/02
Trimurti Plaza,Near Pavana Sahakari Bank,		Certificate No.	:- GTS/220525/02- 003
Somatane Phata Talegaon Dabhade Somatane Phata,		Date of Received	:- 25.05.2022
Talegaon Dabhade, PCMC, Pune, Maharashtra 410506		Date of Calibration	:- 25.05.2022
		Next Calibration Due On	:- 24.05.2023
		Issue Date	:- 27.05.2022
Ambient Temp. (°C)	:- 21 to 40	Calibration method No.	:- TH-WI-02
Relative Humidity (%RH)	:- 30 to 75	ULR No	:- CC298722000004112F
Location of calibration	:- On Site		
Condition of Item	:- Ok		

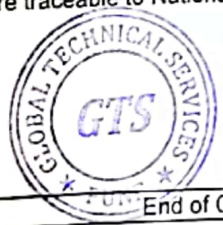
<b>2. Description of Item</b>			
Name	:- TIWS(Autoclave)	Range	:- 121 °C
Id No	:- SPHL/EQ/ACL/12	Least Count	:- °C
Make	:- Liba Corporation	Location	:- Autoclave Room
Type	:-	Sr No	-
		Dept	-

<b>3.Details of Equipment used for calibration</b>				
Name	Certificate No.	Certified By	ID No.	Calibration Validity
Precision Thermometer With Sensor	NI/2106/002/004	Nishitronics Instrumentation	GTS/PTH/01	31.05.2022

<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
121	121.24	121	-0.24	0.60

- Note:**
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  - 6) Type of immersion : Partial
  - 7)The Instruments used for calibration are traceable to National/International standards and their Calibrations are valid.

Calibrated By  
  
 Calibration Engineer  
 Rohit.L



Approved By  
  
 Technical Manager  
 Swapnil Bhagwat

End of Certificate

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Talegaon Dabhade, PCMC, Pune, Maharashtra 410506

Ambient Temp. (°C) :- 21 TO 40  
Relative Humidity (%RH) :- 30 TO 75  
Location of calibration :- On Site  
Condition of Item :- Ok

Page No. :- 1 of 1  
Certificate No. :- GTS/220527/02- 010  
Date of Received :- 25.05.2022  
Date of Calibration :- 25.05.2022  
Next Calibration Due On :- 24.05.2023  
Issue Date :- 27.05.2022  
Calibration method No. :- MECH-WI-15

### 2. Description of Item

Name :- Microscope Range :- 4x, 10x, 40x 100x  
Id No :- SPHL/EQ/MSP/14 Least Count :- - X  
Make :- LABOMED Location Director cabin  
Type - Sr No ---

### 3.Details of Equipment used for calibration

Name	Certificate No.	Certified By	ID No.	Calibration Validity
Linear Glass Scale	FCS/2021-22/17-004	Fine Calibration Services	GTS/ LGS-01	25.05.2022

### \*Mechanical Calibration

#### 4.Calibration Results :-

Calibration Points	Standard Reading	UUC Reading	Error in	Expanded Uncertainty in ± %
X	X	X	X	
4	4	4	0	0.25
10	10	10	0	0.25
40	40	40	0	0.25
100	100	100	0	0.25

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Calibrated By

Rohit

Calibration Engineer

Rohit.L



Approved By

Swapnil

Technical Manager

Swapnil Bhagwat

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