

# CALIBRATION CERTIFICATE

<b>1. CUSTOMER</b> :- <b>DIGNOSTICA SPAN PRIVATE LIMITED</b> Office No. 04, First Floor, Business Bay, S.N.Kute Marg, Tidke Colony, Mumbai Naka Nashik-422002	Page No. :- 1 of 1 Date of Receipt :- 20-Nov-23 Service Request No. :- 2023/143 Certificate No. :- T2023/11/229 Date of Calibration :- 20-Nov-23 Next Calibration Due On :- 19-Nov-24 Calibration method No. :- PISPL/TH/WI/06 Location of calibration :- On Site Condition of Item :- OK ULR No. :- CL110230000007289F
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<b>2.Environmental Conditions</b>	
Ambient Temp. :-	28.3°C
Relative Humidity :-	58.7 %RH

<b>3. Description of Item</b>	
Name :-	Temp.Indicator with Sensor Range :- -18 to -21 °C
I.D No./Sr.No :-	TS-01 Resolution :- 0.1°C
Make/Model :-	--- Specified Accuracy :- ± 2%
Type :-	PT-100 Location :- Biochemistry Room
Equipment Name :-	DeepFreezer

<b>4.Details of Equipment Used For Calibration</b>	
Name :-	Multifunction Calibrator PT-100 Sensor
Make/I.D No. :-	Fluke/PIS/UNICAL/04 Tempsens/PIS/TS/07
Certificate No. :-	E2022/03/001 T2023/10/056
Certified By :-	PISPL PISPL
Calibration Validity :-	20-Mar-23 26-Oct-24
Uncertainty :-	± 0.52°C ± 2.00°C

<b>5.Calibration Results</b> :- THERMAL - TEMPERATURE				
Calibration Points °C	UUC Reading °C	Standard Reading °C	Error in °C	Expanded Uncertainty in ± °C
-21	-20.6	-20.78	0.18	0.64
-20	-19.7	-19.89	0.19	0.64
-18	-17.6	-17.81	0.21	0.64

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% for normal distribution

**Note:**

- 1) UUC stands for Unit Under Calibration.
- 2) This certificate refers only to the particular item submitted for calibration
- 3) This certificate shall not be reproduced, except in full unless written permission for the publication of an approved abstract has been obtained from the Authorised Signatory of "Precision Instrumentation And Services Pvt.Ltd, Nashik".
- 4) The calibration results reported in the certificate are valid at the time of and under the stated conditions of measurement.
- 5) Standard used for calibration were traceable to National/International standard.
- 6) UUC reading is the mean of Five reading .

Calibrated By \_\_\_\_\_ Authorized By \_\_\_\_\_

Calibration Engineer  
Mr.Vikas Takate

Date of Issue :- 23-Nov-23

Quality Managar  
Mr.Arun Dongare

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<b>2.Environmental Conditions</b>	
Ambient Temp. :-	28.3°C
Relative Humidity :-	58.7 %RH

<b>3. Description of Item</b>	
Name :-	Temp.Indicator with Sensor Range :- 2 to 8 °C
I.D No./Sr.No :-	TS-02 Resolution :- 0.1°C
Make/Model :-	--- Specified Accuracy :- ± 2%
Type :-	PT-100 Location :- Biochemistry Room
Equipment Name :-	DeepFreezer

<b>4.Details of Equipment Used For Calibration</b>	
Name :-	Multifunction Calibrator PT-100 Sensor
Make/I.D No. :-	Fluke/PIS/UNICAL/04 Tempsens/PIS/TS/07
Certificate No. :-	E2022/03/001 T2023/10/056
Certified By :-	PISPL PISPL
Calibration Validity :-	20-Mar-23 26-Oct-24
Uncertainty :-	± 0.52°C ± 2.00°C

<b>5.Calibration Results</b> :- THERMAL - TEMPERATURE				
Calibration Points °C	UUC Reading °C	Standard Reading °C	Error in °C	Expanded Uncertainty in ± °C
2	1.8	1.96	-0.16	0.64
4	3.7	3.85	-0.15	0.64
6	5.6	5.79	-0.19	0.64
8	7.4	7.61	-0.21	0.64

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Calibration Engineer Mr.Vikas Takate	Date of Issue :- 23-Nov-23	Quality Managar Mr.Arun Dongare

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<b>2.Environmental Conditions</b>	
Ambient Temp. :-	28.3°C
Relative Humidity :-	58.7 %RH

<b>3. Description of Item</b>	
Name :-	Temp.Indicator with Sensor Range :- 2 to 8 °C
I.D No./Sr.No :-	TS-03 Resolution :- 1°C
Make/Model :-	Western Specified Accuracy :- ± 2%
Type :-	PT-100 Location :- Store Room
Equipment Name :-	Freezer

<b>4.Details of Equipment Used For Calibration</b>	
Name :-	Multifunction Calibrator PT-100 Sensor
Make/I.D No. :-	Fluke/PIS/UNICAL/04 Tempsens/PIS/TS/07
Certificate No. :-	E2022/03/001 T2023/10/056
Certified By :-	PISPL PISPL
Calibration Validity :-	20-Mar-23 26-Oct-24
Uncertainty :-	± 0.52°C ± 2.00°C

<b>5.Calibration Results</b> :- THERMAL - TEMPERATURE				
Calibration Points °C	UUC Reading °C	Standard Reading °C	Error in °C	Expanded Uncertainty in ± °C
2	2	1.86	0.14	0.64
4	4	3.81	0.19	0.64
6	6	5.78	0.22	0.64
8	8	7.75	0.25	0.64

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