



# YEA

☎ : 033 2677 1411/1412, 2667 1909

**YOUNG ENGG. & CALIBRATION SERVICES PVT. LTD.**

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CIN : U74140WB2005PTC106389 ★ Toll Free Help Desk : 1800 345 9001

## Calibration Certificate

Certificate No.: YEA(C)/ 230724S/C875/002  
ULR No.: CC222123000009953F

Dated : 31.07.2023

Calibrated for : **Central Pollution Control Board**  
Southend Conclave 1582, Rajdanga Main Road,  
Kolkata - 700107, West Bengal, India.

Calibrated on.	Next Calibration Due On.	Page No.	No. of Pages
24.07.2023	24.07.2024	1	2

### Description of Instrument

*Name* : BOD Incubator  
*Identification* : CPCB/KOL/BOD-04/2014  
*Working Point* : 27 °C  
*Least Count* : 0.1 °C  
*Make* : Surya Instruments

### Service Request No. / Order Reference

: 230724S/C875/001-009

### Receipt of Instrument

: 24.07.2023

### Location where calibration performed

: At site

### Applicable Specification of Instrument to be Calibrated

: Not Specified

### Condition of Instrument to be Calibrated

: Satisfactory

### Basis of Calibration

: Comparison method with reference to YEA/WI/T-04

### Environmental Condition during Calibration

: *Temp.* : 30±2°C    *RH* : 60±10%

### Equipment used for Calibration

: Standard Data Acquisition System & Standard RTD Sensors  
(9 Nos.)

### Traceability

: To National Standard vide Certificate No.  
YEA(C)/ 221221/Y001/001 valid till 20.12.2023  
TL/023/52.1.1 valid till 11.01.2024  
TL/023/52.1.2 valid till 11.01.2024  
TL/023/52.1.3 valid till 11.01.2024  
TL/023/52.1.4 valid till 11.01.2024  
TL/023/52.1.5 valid till 11.01.2024  
TL/023/52.1.6 valid till 11.01.2024  
TL/023/52.1.7 valid till 11.01.2024  
TL/023/52.1.8 valid till 11.01.2024  
TL/023/52.1.9 valid till 11.01.2024

### Measurement Uncertainty

: The figures are stated in the result at coverage factor  
 $k= 2$  corresponding to confidence probability of  
95% for normal distribution.

### Laboratory Identification

: Sticker is affixed for authentication of calibration.

The above Instrument/Equipment/Machine has been calibrated &  
The results are given in the page 2 to ..... 2 ...of the Certificate.

Cont.....2



Certificate No.: YEA(C)/ 230724S/C875/002  
 ULR No.: CC222123000009953F  
 Calibrated By : S. Jana

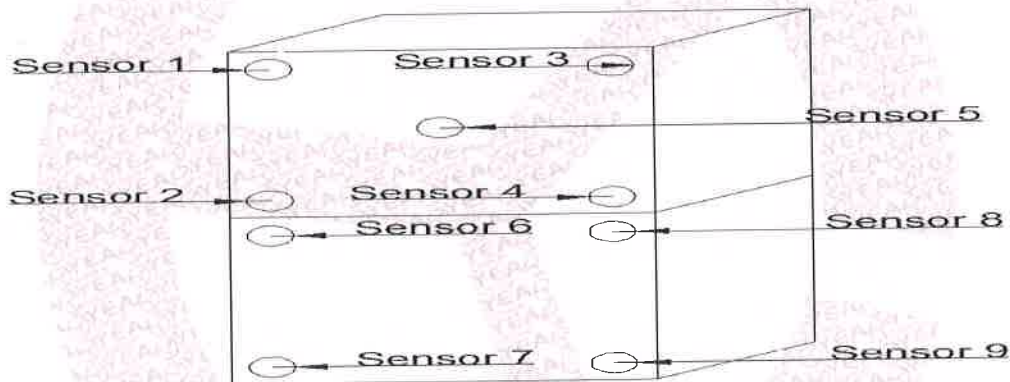
Date : 31.07.2023  
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### Calibration Results

#### Thermal Calibration

#### Calibration Results of BOD Incubator

Set Value (°C)	Zone	DUC Value			Standard Value		
		(°C)			(°C)		
		Maximum	Minimum	Average	Maximum	Minimum	Average
27.0	1	27.0	26.8	27.0	26.930	26.410	26.683
	2				26.814	26.397	26.669
	3				26.407	26.301	26.363
	4				26.977	26.364	26.707
	5				26.901	26.457	26.713
	6				26.967	26.513	26.724
	7				26.832	26.497	26.652
	8				26.897	26.567	26.718
	9				27.041	26.362	26.720
Stability of Incubator : 0.340 °C							
Nonuniformity of Incubator : 0.357 °C							
Measurement Uncertainty ( ± ) : 2.64 °C							



### BOD Incubator

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above BOD Incubator has been calibrated and the readings are tabulated above.

NOTES : This certificate refers to the results tabulated at the time of calibration only for the above mentioned item submitted for calibration and this should not be reproduced, other than in full except with prior written approval from the head of calibration laboratory.

Authorised By



A. Das

Manager Calibration

\*\*\* End of the Calibration Certificate \*\*\*

