



YEA

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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)/ 230726S/C875/002

Dated : 31.07.2023

ULR No.: CC222123000009962F

Calibrated for : **Central Pollution Control Board**

Southend Conclave I582, Rajdanga Main Road,
Kolkata - 700107, West Bengal, India.

Calibrated on.	Next Calibration Due On.	Page No.	No. of Pages
26.07.2023	26.07.2024	1	2

Description of Instrument

Name : Bacteriological Incubator
Identification : CPCB/KOL/INC-01/86
Working Point : 35 °C
Least Count : 0.1 °C
Make : SICO

Service Request No. / Order Reference : 230726S/C875/001-005

Receipt of Instrument : 26.07.2023

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.* : 22±2°C *RH* : 50±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)/ 230726S/C875/002
ULR No.: CC222123000009962F
Calibrated By : S. Jana

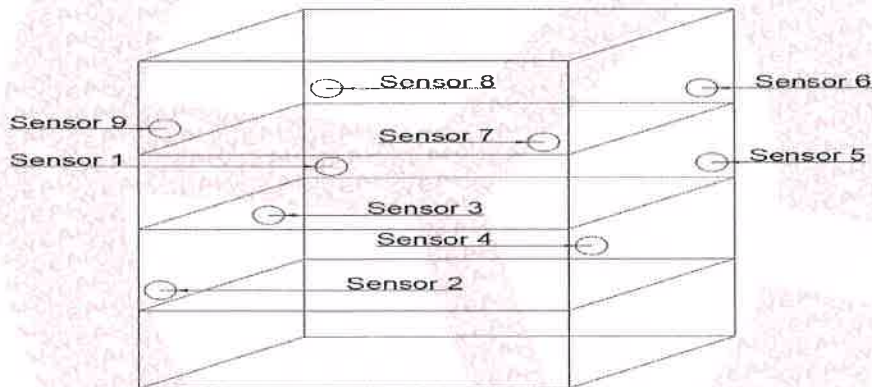
Date : 31.07.2023
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Calibration Results

Thermal Calibration

Calibration Results of Bacteriological Incubator :

Set Value (°C)	Zone	DUC Value			Standard Value		
		(° C)			(° C)		
		Maximum	Minimum	Average	Maximum	Minimum	Average
35.0	1	35.0	34.7	34.9	34.678	34.366	34.518
	2				34.602	34.396	34.512
	3				34.755	34.390	34.505
	4				34.861	34.688	34.779
	5				34.601	34.361	34.497
	6				34.590	34.284	34.481
	7				34.655	34.386	34.483
	8				34.615	34.285	34.468
	9				34.624	34.333	34.497
Stability of Bacteriological Incubator : 0.183 °C							
Nonuniformity of Bacteriological Incubator : 0.281 °C							
Measurement Uncertainty (±) : 2.65 °C							



Bacteriological Incubator

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above Bacteriological 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 ***

