

Calibration Certificate

Certificate No.: YEA(C)/ 230726S/C875/003
 ULR No.: CC222123000009963F

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
26.07.2023	26.07.2024	1	2

Description of Instrument

Name : Serological Water Bath
Identification : CPCB/KOL/S.BATH-01/03
Working Point : 44.5 °C
Least Count : 0.1 °C
Make : N/F

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





YEA

☎ : 033 2677 1411/1412, 2667 1909

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Calibrated By : S. Jana

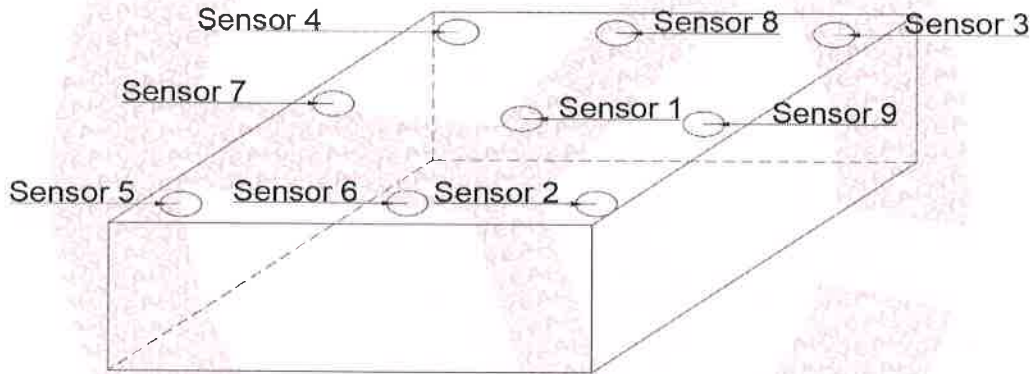
Date : 31.07.2023
Page 2 of 2 Pages

Calibration Results

Thermal Calibration

Calibration Results of Serological Water Bath :

Set Value (°C)	Zone	DUC Value			Standard Value		
		(° C)			(° C)		
		Maximum	Minimum	Average	Maximum	Minimum	Average
44.5	1	44.5	44.2	44.4	44.480	44.153	44.290
	2				44.523	44.098	44.312
	3				44.356	44.053	44.252
	4				44.169	44.005	44.103
	5				44.348	44.171	44.277
	6				44.474	44.153	44.329
	7				44.493	44.147	44.305
	8				44.506	44.128	44.312
	9				44.585	44.143	44.357
Stability of Bath : 0.221 ° C							
Nonuniformity of Bath : 0.254 ° C							
Measurement Uncertainty (±) : 2.66 ° C							



Serological Water Bath

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above Serological Water Bath 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 ***

