



YEA

☎ : 033 2677 1411/1412, 2667 1909

YOUNG ENGG. & CALIBRATION SERVICES PVT. LTD.

Admn. Office & Lab : Kamardanga Road (Opp. Tarama Ashram), Ichapur, Howrah - 711 104

E-mail : calibration@yeagroup.org ★ Visit us at : www.yeagroup.org

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

Calibration Certificate

Certificate No.: YEA(C)/ 230726S/C875/004

Dated : 31.07.2023

ULR No.: CC222123000009964F

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 : COD Digester
Identification : CPCB/KOL/CODD-03/14
Working Point : 150 °C
Least Count : 0.1 °C
Make : Ferrotek
Model : FE-111

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.



CC-2221

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

Cont.....2

YEA(C)/F-08





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

Certificate No.: YEA(C)/ 230726S/C875/004
ULR No.: CC22212300009964F
Calibrated By : S. Jana

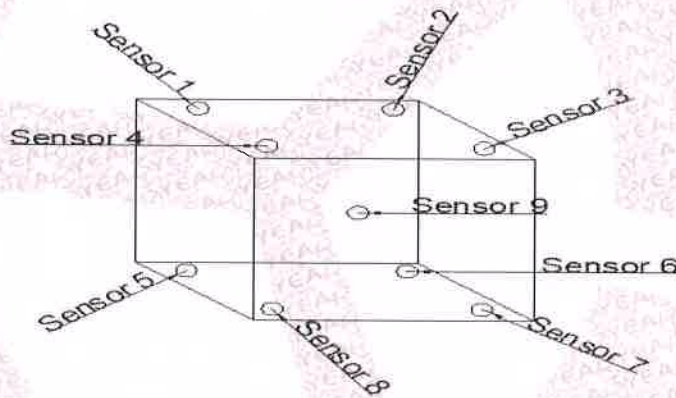
Date : 31.07.2023
Page 2 of 2 Pages

Calibration Results

Thermal Calibration

Calibration Results of COD Digester :

Set Value (°C)	Zone	DUC Value			Standard Value		
		(°C)			(°C)		
		Maximum	Minimum	Average	Maximum	Minimum	Average
150.0	1	150.0	149.6	149.8	149.738	149.324	149.489
	2				149.618	149.281	149.504
	3				149.671	149.278	149.516
	4				149.283	149.107	149.195
	5				149.662	149.316	149.484
	6				149.602	149.422	149.515
	7				149.754	149.428	149.536
	8				149.621	149.349	149.491
	9				149.598	149.403	149.519
Stability of Bacteriological Incubator :					0.207 °C		
Nonuniformity of Bacteriological Incubator :					0.323 °C		
Measurement Uncertainty (±) :					2.67 °C		



COD Digester

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above COD Digester 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 ***

