



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)/ 230724S/C875/005
ULR No.: CC222123000009956F

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 : Hot Air Oven
 Identification : CPCB/KOL/HO-03/86
 Working Point : 180 °C
 Least Count : 0.1 °C
 Make : SICO

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

YEA(C)/F-08





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ULR No.: CC222123000009956F
Calibrated By : S. Jana

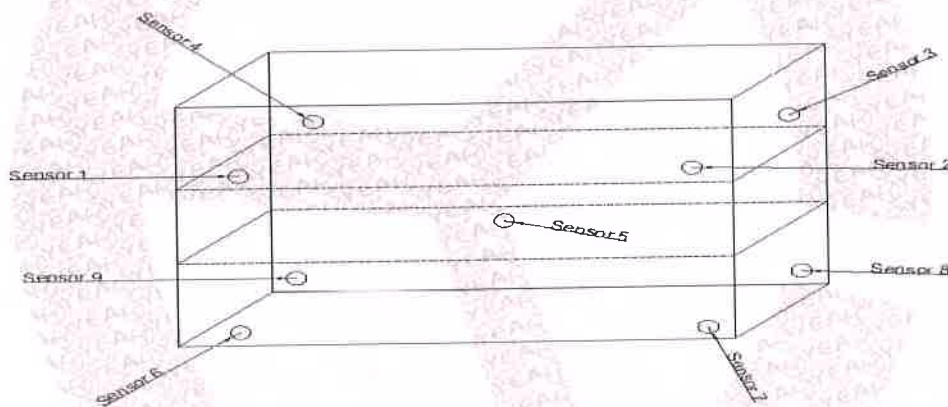
Date : 31.07.2023
Page 2 of 2 Pages

Calibration Results

Thermal Calibration

Calibration Results of Hot Air Oven :

Set Value (°C)	Zone	DUC Value			Standard Value		
		(° C)			(° C)		
		Maximum	Minimum	Average	Maximum	Minimum	Average
180.0	1	180.5	180.0	180.4	180.686	180.194	180.495
	2				180.713	180.382	180.590
	3				181.045	180.301	180.607
	4				180.812	180.293	180.560
	5				180.954	180.315	180.641
	6				180.849	180.279	180.611
	7				180.850	180.218	180.561
	8				180.943	180.423	180.700
	9				181.006	180.826	180.892
Stability of Oven : 0.372 °C							
Nonuniformity of Oven : 0.397 °C							
Measurement Uncertainty (±) : 3.07 °C							



Hot Air Oven

Temperature Scale : ITS - 90

DUC : Device Under Calibration

REMARKS : The above Hot Air Oven 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 ***

