



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)/ 230726/C875/005

Dated : 31.07.2023

ULR No. : CC222123000009970F

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
28.07.2023	28.07.2024	1	2

Description of Instrument

Name : Weight Box
Identification : CPCB/KOL/MASS-5/14
Range : 1 mg - 200 g
Make : N/F
Assumed Density (d) : 7950 kg /m³ (For Stainless Steel Weights from 1 mg to 200 g)

Service Request No. / Order Reference : 230726/C875/001-016

Receipt of Instrument : 26.07.2023

Location where calibration performed : At permanent laboratory

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/M-45

Environmental Condition during Calibration : *Temp.* : (23±4)°C *RH* : (50±10)%

Equipment used for Calibration : Standard Weight Box

Traceability : To National Standard vide Certificate No:
20121038/D1.01/C-165/amend valid till 02.03.2024
SCPL/CC/2005/11/2022-2023 valid till 23.11.2025

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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Calibrated By : M. Gayan

Date: 31.07.2023

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Calibration Results

Mechanical Calibration

Thermal Stabilization Periods 24 hours

A) Calibration Result of Weights :

Sl. No.	Denomination of DUC	Actual Conventional Mass Value	Measurement Uncertainty
		(g)	(± g)
1	1 mg	0.001026	0.000002
2	2 mg	0.001956	0.000001
3	2 mg *	0.002001	0.000001
4	5 mg	0.004965	0.000001
5	10 mg	0.009955	0.000001
6	20 mg	0.019964	0.000002
7	20 mg *	0.019990	0.000002
8	50 mg	0.050072	0.000002
9	100 mg	0.099926	0.000002
10	200 mg	0.199995	0.000002
11	200 mg *	0.199970	0.000002
12	500 mg	0.500095	0.000003
13	1 g	1.000022	0.000003
14	2 g	2.000139	0.000005
15	2 g *	2.000174	0.000005
16	5 g	5.000138	0.000006
17	10 g	10.000044	0.000009
18	20 g	20.003344	0.000011
19	20 g *	20.000139	0.000011
20	50 g	50.000290	0.000013
21	100 g	99.999905	0.000024
22	200 g	200.00683	0.000040
23	200 g *	199.99934	0.000040

"*" Marks are used to identify the duplicate value of mass

DUC : Device Under Calibration

REMARKS : The above Weights have 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 ***

