

Issued to,

M/s: Central Pollution Control Board
Southend Conclave,
1582, Rajdanga Main Road, Kol- 700 107

Form No.: M&P/LAB/FM/41

Cert. No M&P/LAB/CPCB/01/BSC-01/22-23

Issue Date: 26-Feb-2023

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CALIBRATION CERTIFICATE

| | | |
|---------------------|--------------------|----------|
| Date of Calibration | Calibration Due on | Page No. |
| 25-Feb-2023 | 24-Feb-2024 | 1 of 1 |

Service Request No. / Order No. : ---

Location of Calibration : At Site

Date of Receipt : 25.02.2023

Description of Instrument : **Biological Safety Cabinet**

Make : HEAL FORCE (SI.No.0708P5130024)

Model / Type : HF safe-900

Range : 0.53 m/s (Inflow) & 0.35 (Downflow)

L/c. : 0.01 m/s

Identification No. : CPCB / KOL / BIO - CAB / 01 / 09

Method of Calibration : Comparison Method

Details of Standard Equipment used for Calibration :

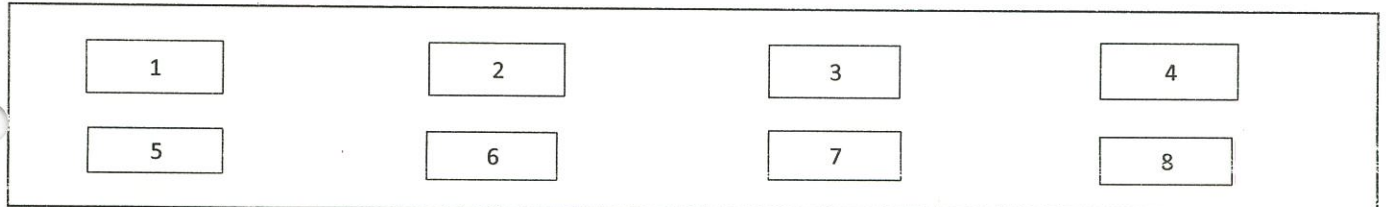
| Description | Traceability certificate No. & Cal. Date | Valid upto | Calibration Agency |
|----------------------------------|--|------------|--------------------------------|
| Digital Anemometer (M&PE/DAM/01) | NCE-03-DAM-1874-22-23, Dated: 28.03.2022 | 28.03.2023 | Nutech Calibrators & Engineers |

Traceability: Standard used for calibration traceable to national standards through NABL accredited laboratory

Environmental Conditions : Temperature: (25 ± 3) °C : Humidity: (50 ± 10)%RH

CALIBRATION RESULTS

A) Diagram of Front Opening Area:



Note : 1 , 2 8 are the interior work surfaces position, where the standard anemometer is placed.

B) Inflow Velocity:

| Interior Work Surfaces | Avg. Readings Observed through Ref. Std. in m/s |
|-------------------------------------|---|
| 1 | 1.50 |
| 2 | 1.50 |
| 3 | 1.47 |
| 4 | 1.48 |
| 5 | 1.58 |
| 6 | 1.58 |
| 7 | 1.57 |
| 8 | 1.50 |
| Average Value of 8 Positions | 1.52 |

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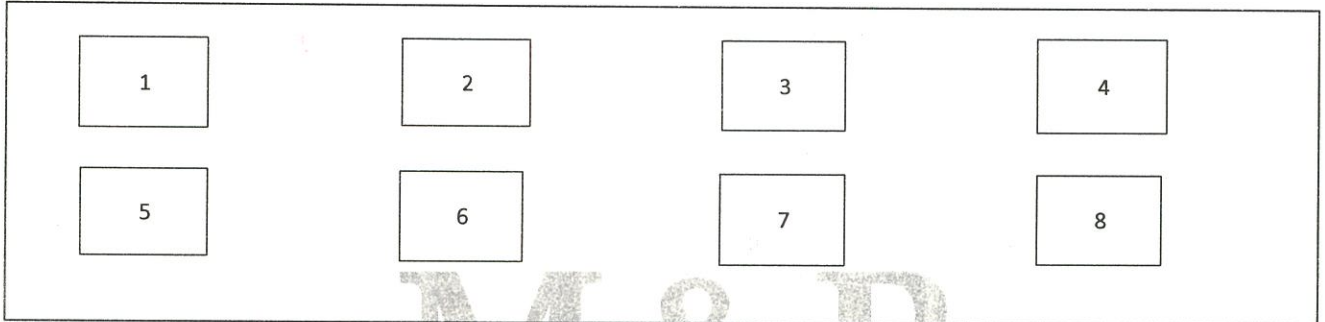
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CALIBRATION RESULTS

C) Diagram of Interior Work Surfaces:



Note: 1, 2 8 are the interior work surfaces position, where the standard anemometer is placed.

B) Downflow Velocity:

| Interior Work Surfaces | Avg. Readings Observed through Ref. Std. in m/s |
|-------------------------------------|---|
| 1 | 0.36 |
| 2 | 0.34 |
| 3 | 0.34 |
| 4 | 0.30 |
| 5 | 0.32 |
| 6 | 0.35 |
| 7 | 0.36 |
| 8 | 0.35 |
| Average Value of 8 Positions | 0.34 |

Remarks: The above DUC has been calibrated over its above parameters & the readings observed are tabulated above

- Note:**
1. This certificate is refers only to the particular item submitted for calibration.
 2. Result reported are valid at the time of and under stated condition of measurement.
 3. Next calibration due date is given as requested by the customer.
 4. Physical Status of the Meter is found OK.
 5. This certificate shall not be reproduced except in full with out permission of head of laboratory.

Calibrated By:

S.Bala
(Calibration Engineer)



Approved By:

S.Sen
(Technical Manager)