

NABL ACCREDITATION | CW-800 | HEPA FILTER

National Accreditation Board for Testing and Calibration Laboratories, Department of Science and Technology, Government of India.



Parashar Micro Measurement Pvt. Ltd.
B-59, SECTOR-64, NOIDA (U.P.) 201 307
PH: 0120-4252360-65, Email: pmmp.in@gmail.com
Website: www.pmmp.in, www.parashar.info

Calibration Certificate

Certificate Number: PMM/231124/11-1 Page 1 of 2

Calibrated For: Mrs. Anvay Academy Of Data Sciences (Froyo Technologies)
102, 1st Floor Bhagmal Complex Naya Bans, Sector - 15, Noida, U.P. - 201301

Date of Request: 23.11.2024
Calibrated on: 23.11.2024
Suggested Due Date: 22.11.2025
Cert. Issue Date: 27.11.2024

Description of Equipments: Hepa Filter (Portable)
Accuracy/Class: Not Mentioned
Condition of UUC: Physically Ok
Serial No.: CW - 800
Party ID Mark No.:
Location:

Master Equipment / Standard Used

Sr.No.	Nomenclature	Make & Model	Serial No. / ID Mark	Calibrated From	Certificate No.	Due Date of Calibration
1	Airborne Particle Counter	BioBase / CLJ20832304008	CLJ20832304008	SPM Lab Solution	SPM/2024/093	26.05.2025
2	Anemometer	Sigma	PMM/5/AM02	Adcon Gurgaon	ATCL/24-25/L0020	17.02.2025

Standard used for calibration are traceable to Accredited lab, for Standard ISO/IEC: 17025-2017 or National Standards through unbroken chain of calibration.

Calibration Performed at: Site: Environmental Condition(s):
Calibration Procedure No.: PMM/TC/01
Reference Standard / Guideline: ISO 14644-1
Temperature = 23 ± 5°C
Humidity = 30 to 75 % RH

ACCEPTANCE CRITERIA

ISO Cleanroom Classes	Particle Counter per m³ as per ISO: 14644-1
ISO CLASS 2	≥ 0.3 µm
ISO CLASS 3	≥ 0.5 µm
ISO CLASS 4	≥ 1.0 µm
ISO CLASS 5	≥ 5.0 µm
ISO CLASS 6	≥ 10 µm
ISO CLASS 7	≥ 20 µm
ISO CLASS 8	≥ 30 µm

Calibrated By: Suraj Maurya
Designation: Calibration Engineer

Approved By: Jai Prakash
Designation: Tech Manager / Auth. Sign.

Conditions: 1. This certificate refers only to the particular item submitted for calibration.
2. The calibration result reported in this certificate are valid at the time of issue under the stated conditions of measurement.
3. This particular certificate can not be reproduced except in full, without prior permission of chief executive officer of the lab.

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Dust Particle Count & Hepa Filter Integrity (Status Report)

S. No.	Outlet Particle Count at m³ (Corner A)	Outlet Particle Count at m³ (Corner B)	Outlet Particle Count at m³ (Centre C)
1	TIME: 16:25:53 PERIOD: 60 Sec VOLUME: 1 m³ CUJU: 5341	TIME: 16:35:54 PERIOD: 60 Sec VOLUME: 1 m³ CUJU: 5346	TIME: 16:45:55 PERIOD: 60 Sec VOLUME: 1 m³ CUJU: 5567
2	0.3 µm: 1531	0.3 µm: 1439	0.3 µm: 1634
3	0.5 µm: 217	0.5 µm: 210	0.5 µm: 238
4	1.0 µm: 0	1.0 µm: 0	1.0 µm: 0
5	3.0 µm: 0	3.0 µm: 0	3.0 µm: 0
6	5.0 µm: 0	5.0 µm: 0	5.0 µm: 0
7	10.0 µm: 0	10.0 µm: 0	10.0 µm: 0

Dust Particle Count & Hepa Filter Integrity (Status Report)

S. No.	Outlet Particle Count at m³ (Corner D)	Outlet Particle Count at m³ (Corner E)
1	TIME: 16:55:55 PERIOD: 60 Sec VOLUME: 1 m³ CUJU: 5423	TIME: 17:05:56 PERIOD: 60 Sec VOLUME: 1 m³ CUJU: 5397
2	0.3 µm: 1582	0.3 µm: 1482
3	0.5 µm: 220	0.5 µm: 212
4	1.0 µm: 0	1.0 µm: 0
5	3.0 µm: 0	3.0 µm: 0
6	5.0 µm: 0	5.0 µm: 0
7	10.0 µm: 0	10.0 µm: 0

RESULTS OF AIR FLOW

S.N.	Air Flow in FPM	Mean
1	108	111.40
2	111	
3	116	
4	113	
5	111	

UUC - Unit Under Calibration
Std. - Standard Instrument
Uncertainty of Measurement (at approx 95% Confidence Level with Coverage factor k = 2) = ± 2% of FSD

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ISO 14644-1:2015 specifies the classification of air cleanliness in terms of concentration of airborne particles in cleanrooms and clean zones; and separative devices as defined in ISO 14644-7.