



# QUALITY TECHNICAL SOLUTIONS

PAP-R-289, Near Golden Garage, Rabale, M.I.D.C, Navi-Mumbai, Thane: 400701  
NABL Accredited Calibration Laboratory (CC-3252), ISO 9001:2015 Certified

## Certificate

### PURPOSE: INSTALLED FILTER SYSTEM LEAKAGE TEST

Customer	Cipla Ltd., Unit - VII PD II, Verna, Goa	Date of Test	12.07.2025
Department	Third Service Floor	Equipment Name	AHU
		Equipment Code	GA-201
		Frequency of Test	Yearly

### TEST DETAILS

Filter Under Test	Plenum HEPA	Test Aerosol Used	Poly-alpha olefin
Filter Grade	EU-13	Lot No. of PAO	249012OP
		Expiry Date of PAO	06.02.2026

### INSTRUMENT DETAILS

Instrument Used (1)	Aerosol Photometer	Instrument Used (2)	Aerosol Generator
Make	TEC Services	Make	Innovius Solutions
Model	PH-5	Model	ISAG-01
Serial Number	04011	Serial Number	ISAG010012122
Flow Rate	28.3 SLPM		
Calibrated on	06.01.2025		
Calibration Due on	06.01.2026		

### OBTAINED TEST RESULTS

Room Name / Area	Filter Code	Upstream PAO Concentration Observed Value microgram / litre or mg/m <sup>3</sup>		Upstream PAO Concentration in%	Obtained Results in Downstream (% Leakage)	Test Status (Pass / Fail)
		Before Scanning	After Scanning			
Third Service Floor	GA-201/HF/0.3μ/01/A	19	17	100%	0.0007	Pass
	GA-201/HF/0.3μ/02/A				0.0010	Pass

**Acceptance Criteria :** Upstream PAO Concentration should be between 1 to 100 microgram / litre or mg/m<sup>3</sup>.  
Downstream leakage shall be less than 0.01% of the Upstream challenge aerosol concentration.

**Inference :** The HEPA Filter Qualifies the leak test by Cold PAO method.

<b>Certificate Issued By:</b>	Lavkush Kumar Date: 17.07.2025 02:44:26 PM
<b>Certificate Reviewed By:</b>	Viraj Naik Date: 19.07.2025 05:17:16 PM Engg / User Department (Cipla Ltd.)