



# 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

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

### TEST DETAILS

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

### INSTRUMENT DETAILS

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