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-224
		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^3		Upstream PAO Concentration in%	Obtained Results in Downstream (% Leakage)	Test Status (Pass / Fail)
		Before Scanning	After Scanning			
Third Service Floor	GA-224/HF/0.3µ/01/A	15	13	100%	0.0008	Pass
	GA-224/HF/0.3µ/02/A				0.0012	Pass
	GA-224/HF/0.3µ/03/A				0.0006	Pass
	GA-224/HF/0.3µ/04/A				0.0009	Pass
	GA-224/HF/0.3µ/05/A				0.0013	Pass
	GA-224/HF/0.3µ/06/A				0.0010	Pass

Acceptance Criteria : Upstream PAO Concentration should be between 1 to 100 microgram / litre or mg/m^3.
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.

Certificate Issued By:	Lavkush Kumar Date: 17.07.2025 02:53:10 PM
Certificate Reviewed By:	Viraj Naik Date: 19.07.2025 01:43:02 PM Engg / User Department (Cipla Ltd.)