



中国认可
国际互认
检测
TESTING
CNAS L1045

检 测 报 告

TEST REPORT

NCSA-2026AC-0040 (E)

产品名称: Electronic Air Filter
Name of Product

委托单位: AirQuality Technology(Shanghai)Co., Ltd.
Client

生产单位: AirQuality Technology(Shanghai)Co., Ltd.
Manufacture

检测类别: Entrusted
Test Category

国家空调设备质量检验检测中心

National Center of Quality Inspection and Testing for Air Conditioning Equipment

建科环能科技有限公司

Jianke EET Co.,Ltd.



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Sample No.	2026AC-0040		
Name of Product	Electronic Air Filter	Specification Model	EAF
		Trademark	AIRQUALITY
Client	AirQuality Technology(Shanghai)Co.,Ltd.	Production No.	/
		Manufacture Date	/
Manufacturer	AirQuality Technology(Shanghai)Co.,Ltd.	Sample Quantity	1
		Submission Date	2026-06-11
Test Category	Entrusted	Test Date	2026-06-16~06-18
Client Address	No.189, Fulianer Road, Baoshan District, Shanghai, China		
Test Standards	GB/T 14295-2019<Air filter> GB/T 34012-2017<Air cleaner for ventilation system>		
Criteria	GB/T 14295-2019<Air filter> GB/T 34012-2017<Air cleaner for ventilation system>		
Test Address	Fubi Road, Gequ, Tongzhou District, Beijing, China		
Test Instruments and Devices	IAQ16 Six Cascade Impactor Microorganism Sampler, T-H-HN-022 Six Cascade Impactor Microorganism Sampler, T-H-HN-065 Vertical Pressure Steam Sterilizer, T-H11 Air Filter Test Device for Counting Method, T-H49 Safety Performance Comprehensive Tester, T-H70 Steel Tape, T-H74 Dust Monitor, T-H78 OPC, T-IAQ163 UV Radiometer, T-IAQ44 Ozone Analyzer, T-IAQ63 Electrothermal Incubator		
Test Items	Rated Power, Resistance, Cleaning Efficiency of PM _{2.5} , Cleaning Efficiency of PM _{2.5} after Continuous Operation for 24 hours, Cleaning Efficiency of Microorganism, Counting Efficiency (≥0.5μm、≥5.0μm), Increase of Ozone Concentration, UV Leakage, Electrical Safety(Insulation Resistance, Electrical Strength, Leakage Current)		
Conclusions	The efficiency grade of this sample is sub-high efficiency. Refer to pages 2-4 for the detailed test results.  Special Chapter for Inspection and Testing Issue Date: 2026-07-02 11010210100691		

批准: 
Approval

审核: 
Verification

主检: 
Chief tester

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Sample No.		2026AC-0040			
Test Velocity （m/s）		2.5			
Test Results					
No.	Test Items	Standard Requirements		Test Results	Decisions
1	Resistance （Pa）	Coarse efficiency	$\leq 50\text{Pa}$	/	Qualified
		Medium efficiency	$\leq 80\text{Pa}$	/	
		Fine efficiency	$\leq 100\text{Pa}$	/	
		Sub-high efficiency	$\leq 120\text{Pa}$	46.8	
2	Counting Efficiency （%）	Coarse efficiency 1	$20\% \leq \text{Arrestance efficiency (standard test dust)} < 50\%$	/	Qualified
		Coarse efficiency 2	$\text{Arrestance efficiency (standard test dust)} \geq 50\%$	/	
		Coarse efficiency 3	$10\% \leq \text{Counting efficiency}(\geq 2.0\mu\text{m}) < 50\%$	/	
		Coarse efficiency 4	$\text{Counting efficiency}(\geq 2.0\mu\text{m}) \geq 50\%$	/	
		Medium efficiency 1	$20\% \leq \text{Counting efficiency}(\geq 0.5\mu\text{m}) < 40\%$	/	
		Medium efficiency 2	$40\% \leq \text{Counting efficiency}(\geq 0.5\mu\text{m}) < 60\%$	/	
		Medium efficiency 3	$60\% \leq \text{Counting efficiency}(\geq 0.5\mu\text{m}) < 70\%$	/	
		Fine efficiency	$70\% \leq \text{Counting efficiency}(\geq 0.5\mu\text{m}) < 95\%$	/	
		Sub-high efficiency	$95\% \leq \text{Counting efficiency}(\geq 0.5\mu\text{m}) < 99.9\%$	97.2	
Notes	1. The dimension of the outlet side is 257mm×527mm. 2. The items 1-2 are tested according to GB/T 14295-2019. Below in this page is blank.				

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Sample No.		2026AC-0040				
Test Velocity （m/s）		2.5				
Test Results						
No.	Test Items		Standard Requirements		Test Results	Decisions
3	Counting Efficiency （%）	≥5.0μm	/		99.0	/
4	Rated Power （W）		≤110% of Nominal Value		5.2	/
5	Cleaning Efficiency of PM _{2.5} （%）		A	E _{PM2.5} >90	97.0	Qualified
			B	70< E _{PM2.5} ≤90	/	/
			C	50< E _{PM2.5} ≤70	/	/
			D	20< E _{PM2.5} ≤50	/	/
6	Cleaning Efficiency of PM _{2.5} after Continuous Operation for 24 hours （%）		A	E _{PM2.5} >90	97.0	Qualified
			B	70< E _{PM2.5} ≤90	/	/
			C	50< E _{PM2.5} ≤70	/	/
			D	20< E _{PM2.5} ≤50	/	/
7	Cleaning Efficiency of Microorganism （%）		A	E _w >90	98.2	Qualified
			B	70< E _w ≤90	/	/
			C	50< E _w ≤70	/	/
			D	20< E _w ≤50	/	/
8	Increase of Ozone Concentration （mg/m ³ ）		≤0.10		No Increase	Qualified
9	UV Leakage （μW/cm ² ）		≤5		No Leakage	Qualified
10	Electrical Safety	Insulation Resistance （MΩ）	≥2		>2000	Qualified
		Electrical Strength	No Breakdown		No Breakdown	Qualified
		Leakage Current （mA）	≤0.75		0.110	Qualified
Notes	1. The dimension of the outlet side is 257mm×527mm. 2. The item 3 is tested according to GB/T 14295-2019, and the items 4-10 are tested according to GB/T 34012-2017. 3. The test aerosol for cleaning efficiencies of PM _{2.5} is KCl, and the aerosol during the continuous operation for 24 hours is atmospheric dust. 4. Cleaning Efficiency of Microorganism: The test strain is Staphylococcus albus, and the strain number is 8032. 5. No UV generating device is installed in this sample.					

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Sample No.		2026AC-0040	
Test Velocity（m/s）		1.5	
Test Results			
No.	Test Items		Test Results
11	Resistance（Pa）		21.7
12	Counting Efficiency （%）	≥0.5μm	98.4
		≥5.0μm	99.5
Notes	1. The dimension of the outlet side is 257mm×527mm.		
	2. The items 11-12 are tested according to GB/T 14295-2019.		
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Sample No.	2026AC-0040
Sample Description	
Voltage (V)	DC12-24
Dimension (mm)	287×592×95

Note: The photos of the sample are shown below.



Sample (Inlet side)



Sample (Outlet side)

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