

## Airvom W201 Air Sterilizer Certification/Test Results

Doc No.	Division	Product	Item	Certification / Test Agency	Result	Note	
1-A	Electrical Certification	W201 Main unit	KC Registration of Broadcasting and Communication Equipments (Main unit)	Director General of National Radio Research Agency	R-R-Nid-AirvomW201		
1-B			Supplier's Declaration of Conformity	Korean Institute of Product Safety	KIPS-2021-N0001742		
2			CE DOC (Main unit)	EU	ETLE2101 22.0042		
3			FCC (Main unit)	FCC	ESTCFC2102-002		
4		Adapter	KC Registration of Broadcasting and Communication Equipments (Adapter)	Director General of National Radio Research Agency	R-R-GQH-GQ24-120250-AK		
5			KC Safety Certificate (Adapter)	KTC	HU10590-19017A		
6			Efficiency Management Equipment Report Confirmation (Adapter)	Korea Energy Agency	125211018		
7		Efficiency Management Equipment Test Report (Adapter)	KTC	효율2021-00768			
8	Airborne Microorganism Reduction Test	W201 Main unit	<b>Airborne Virus Reduction Test (SPS-KOUVA-AS01)</b>				
			Phi-X174 (DNA Virus) ATCC 13706-B1	KTL	60.90%	60m <sup>3</sup> , 60%	
9			<b>Airborne Microorganism Reduction Test (ISO 16000-36:2018)</b>				
9-A			Escherichia coli ATCC 25922	KCL	99.90%	8m <sup>3</sup>	
9-B			Pseudomonas aeruginosa ATCC 15442		99.90%		
9-C			Staphylococcus aureus ATCC 6538		99.90%		
9-D			Klebsiella pneumoniae ATCC 4352		99.90%		
9-E			MRSA (Methicillin-resistant Staphylococcus aureus) ATCC 33591		99.90%		
9-F			Candida albicans ATCC 10231		99.90%		
9-G			Aspergillus brasiliensis ATCC 9642		99.90%		
9-H			Penicillium roqueforti KACC 45925		99.90%		
9-I	PHI-X174 (DNA Virus) ATCC 13706-B11	99.90%					
9-J	MS2 (RNA Virus) ATCC 15597-B1	99.90%					
10	Etc Test	<b>CADR-Clean Air Delivery Rate (SPS-KACA002)</b>			KCL		30 CMH
11		<b>Noxious Gas Removal Ratio (SPS-KOUVA AS01)</b>		KTL	Ammonia NH3 : 90.1% Toluene C6H5CH3 : 99.9% Acetic acid CH3COOH : 93.5%		
12		<b>Noise Test (SPS-KACA002)</b>		KCL	37.5dB(A)		
13		<b>O3 Test (SPS-KOUVA-AS01)</b>		KTL	0.004ppm, 0.008mg/m <sup>3</sup>		
14	Filter Fabric Performance Test	Antibacterial HEPA Filter	Fractional Efficiency Filter Test (BS EN 1822-3:2009)	KITECH	95.88%		
15			Antibacterial Test (KS K 0693 : 2016) (Staphylococcus aureus, Klebsiella pneumoniae, Escherichia coli, Pseudomonas aeruginosa)	FITI	99.90%		
16			Hazardous Substance Detection Test (CMIT, MIT, BIT, OIT)	KOTITI	non-detection		
17			Safety confirmation target Household chemicals Confirmation result	KCL	Comprehensive Judgment: Appropriate Zinc oxide Emission: 11mg	Emission standard: 50mg	
18		Safety standards Confirmation of conformity Report certificate	CHEMP	CB21-25-0049			
19	Notification	Existing biocidal substances	Notification of existing biocidal substances (Hydroxyl Radical)	CHEMP	EAS-N-211207-0001		
20			Notification of existing biocidal substances (Free Radicals generated in situ from ambient air or water)	CHEMP	EAS-N-211207-0002		

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1-A	Electrical Certification	K201 Main unit	KC Registration of Broadcasting and Communication Equipments (Main unit)	Director General of National Radio Research Agency	R-R-Nid-PlasmaK		
1-B			Supplier's Declaration of Conformity	Korean Institute of Product Safety	KIPS-2021-N0001744		
2			CE DOC (Main unit)	EU	ETLE210122.0040		
3			FCC (Main unit)	FCC	ESTCFC2102-005		
4		Adapter	KC Registration of Broadcasting and Communication Equipments (Adapter)	Director General of National Radio Research Agency	MSIP-REM-ZX6-SW72S24V		
5			KC Safety Certificate (Adapter)	KTC	HU10553-17040B		
6	Efficiency Management Equipment Report Confirmation (Adapter)		Korea Energy Agency	125170989			
8	Airborne Microorganism Reduction Test	K201 Main unit	Airborne Virus Reduction Test (SPS-KOUVA-AS01)				
8-A			Phi-X174 (DNA Virus) ATCC 13706-B1	KTL	73.00%	60m <sup>3</sup> , 60%	
8-B			S.epidermidis ATCC 12228	KTL	89.40%	60m <sup>3</sup> , 80%	
9			Airborne Microorganism Reduction Test (ISO 16000-36:2018)				
9-A			Escherichia coli ATCC 25922	KCL	95.10%	8m <sup>3</sup>	
9-B			Pseudomonas aeruginosa ATCC 15442		93.60%		
9-D			Klebsiella pneumoniae ATCC 4352		97.00%		
9-F			Candida albicans ATCC 10231		85.50%		
9-G			Aspergillus brasiliensis ATCC 9642		96.10%		
9-H			Penicillium roqueforti KACC 45925		95.90%		
9-I			PHI-X174 (DNA Virus) ATCC 13706-B11		87.70%		
9-J	MS2 (RNA Virus) ATCC 15597-B1	87.10%					
11	Etc Test	Noxious Gas Removal Ratio (SPS-KACA002)		Ammonia NH3 : 74.4% Toluene, C6H5CH3 : 99.9% Formaldehyde HCHO : 83.9% acetaldehyde C2H4O : 88.2% Acetic acid CH3COOH : 85.7%	Average : 86.4%		
12		Noise Test (SPS-KACA002)		55.9 dB(A)			
13		O3 Test (SPS-KOUVA-AS01)	KTL	0.019ppm, 0.038mg/m <sup>3</sup>			