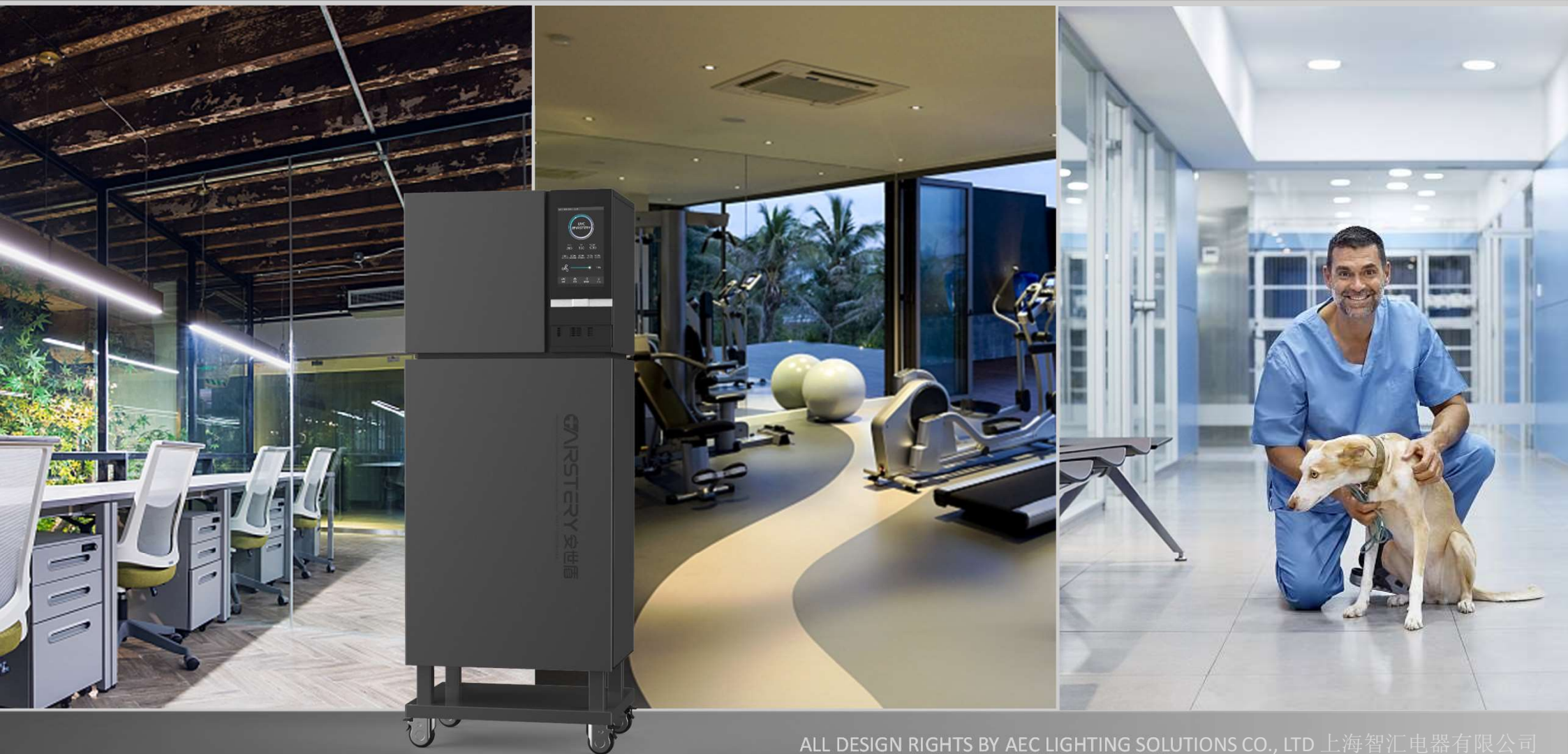




Professional Air Disinfection & Treatment System

TEST REPORTS





Disinfection efficiency for air – filed test
with Natural Bacteria in air

- Requirement >90%, test result >92%.



GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report №.: 2020SP13731R01E

(1)Disinfection efficiency for air (field test)

1. Test organisms: Natural bacteria in the air
2. Test Method: Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.3
3. Test condition: The sample was turned on according to the request of the applicant, turned on high grade wind speed.
4. Test results:

Test Time	Test groups	Amount of Airborne Germs (cfu/m ³)		Extinction Rate (%)
		Before Disinfection	After Disinfection	
3h	1	1.4×10^3	1.1×10^2	92.14
	2	1.2×10^3	92	92.33
	3	1.1×10^3	85	92.27

Test space: 50m³ of the room
Environment relatively humidity: 62%
Environment temperature: 24℃

Antibacterial (sterilization) performance with
Staphylococcus albus

- Requirement >99.9%, test result > 99.91%.

(2)Antibacterial (sterilization) performance

1. Test Standard: GB 21551.3-2010 Appendix A

2. Test conditions: The sample was turned on according to the request of the applicant, then high grade wind speed for 2h; the space of the test cabin was 30m³.

3. Test results:

Test organisms	Action time	№.	Bacteria in the air (cfu/m ³)	Sterilization rate (%)
<i>Staphylococcus albus</i> 8032	0h(CK)	1	9.3×10 ⁴	
		2	1.0×10 ⁵	
		3	1.1×10 ⁵	
	2h	1	28	99.92
		2	35	99.91
		3	35	99.92
	Average			99.92

Environment relatively humidity: 56%

Environment temperature: 24.2℃

PM2.5 effective removal rate 99.87%



广微测
Gmicro Testing

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report №.: 2020SP13601R02E

Purifying efficiency of PM2.5 particulate

1. Test Method: Refer to APIAC/LM 01-2015

2. Method description: Turn on the high-grade wind speed of the sample in the space of 30m³ chamber, and open the wind speed to meet the test requirements.Determine PM2.5 particulate concentration after 2h.

3. Test Result:

Test Item	CK		Natural attenuation Reduction rate (%)	Handling		Effective removal rate (%)
	The initial PM2.5 particulate concentration (mg/m ³)	PM2.5 particulate concentrations (mg/m ³)		The initial PM2.5 particulate concentration (mg/m ³)	PM2.5 particulate concentrations (mg/m ³)	
Purifying efficiency of PM2.5 particulate	5.62	4.98	11.39	5.33	0.006	99.87

Formaldehyde, Methylbenzene and TVOC are mainly from decoration and furniture;

Ammonia is mainly parts of odor from animal.



广微测
Gmicro Testing



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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

Report No.: 2020SP13601R01E

- 1) Test Method: JG/T 294-2010
- 2) Test cabin volume to 30m³
- 3) Test conditions: turn on the high-grade wind speed to test
- 4) Test Result:

Test pollutants	Action time	The concentration of the blank test compartment at 0h (mg/m ³)	The concentration of the blank test compartment at 2h (mg/m ³)	Natural decay rate (%)	The concentration of the sample test compartment at 0h (mg/m ³)	The concentration of the sample test compartment at 2h (mg/m ³)	Total decay rate (%)	Purification efficiency (%)
Formaldehyde	2h	1.22	1.20	1.6	1.22	0.058	95.2	93.6
Ammonia	2h	2.08	2.04	1.9	2.08	0.135	93.5	91.6
Methylbenzene	2h	1.02	1.00	2.0	1.02	0.036	96.5	94.5
TVOC	2h	4.76	4.66	2.1	4.76	0.084	98.2	96.1

Report in Chinese.

0.01mg/m³ (0.005ppm) of Ozone tested near by machine.



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广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2021SP00365R02a

样品名称	安世盾牌 ASD1000C 型空气消毒机	接样日期	2020 年 01 月 13 日
检验项目	臭氧浓度 (出风口 5cm 处)	检验完成日期	2020 年 01 月 14 日

一. 器材

1. 试验样品: 安世盾牌 ASD1000C 型空气消毒机。
2. 使用仪器: 臭氧浓度检测仪 QSP-B-A016。

二. 方法

1. 检测依据: GB 21551.3-2010/5.1.2。
2. 试验温度: 22.7℃, 湿度: 53.1%。
3. 方法简述: 送检样品开启高档风速运行 10min, 把检测仪吸收管放在送检样品出风口距离 5cm 处测量其空气臭氧浓度 (mg/m³)。

三. 结果

测试距离	臭氧浓度 (mg/m ³)	标准要求 (GB 21551.3-2010) (mg/m ³)
5cm	0.01	≤0.10

U.S. Department of Health & Human Services

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Proprietary Name: AIR101C, Intelligent Air Disinfectant, 650*116*660; AIR102C, Intelligent Air Disinfectant, 650*116*660; AIR103C, Intelligent Air Disinfectant, 1220*116*660; AIR201C, Professional Air Disinfection and Treatment System for Public Space, 635*410*1700mm; AIR301C, Intelligent UV air disinfection and treatment system, 270/250*780mm; AIR401C, Intelligent Air Disinfection Light, 1200*300*85mm; AIR402C, Intelligent Air Disinfection Light PRO, 1200*300*120mm; UVP101R, Intelligent UV & Ozone Disinfection box ULTIMATE, 245*220*155mm; UVP111H, Intelligent UV & Ozone Disinfection Cabinet 60L, 460*630*470mm; UVP112H, Intelligent UV & Ozone Disinfection Cabinet 120L, 760*630*470mm; UVP113H, Intelligent UV & Ozone Disinfection Cabinet 200L, 1200*630*470mm; UVP201R, Intelligent UV & Ozone Disinfection bar ULTIMATE, 320*38*33mm; UVP301R, Intelligent UV & Ozone Disinfection case MINI, 230*185*90mm; UVP401R, Intelligent UV & Ozone Disinfection case PLUS, 365*295*170mm; UVP502R, Intelligent PowerPro UV Disinfection Wand, 440*140*415mm; UVP801C, Dry Fog Hydrogen Peroxide Disinfectant, 484*270*314mm

Classification Name: DISINFECTOR, MEDICAL DEVICES

Product Code: [MEC](#)

Device Class: 2

Regulation Number: [880.6992](#)

Medical Specialty: General Hospital

Registered Establishment Name: [AEC LIGHTING SOLUTIONS CO., LTD](#)

Owner/Operator: [AEC Lighting solutions Co., Ltd](#)

Owner/Operator Number: 10080711

Establishment Operations: Contract Manufacturer; Manufacturer



United States
ENVIRONMENTAL PROTECTION AGENCY

Washington, DC 20460

Pesticide Report for Pesticide-Producing and Device-Producing Establishments

Office of Enforcement and Compliance Assurance

Section 7, Federal Insecticide, Fungicide, and Rodenticide Act (7 U.S.C. sec. 136e)

<http://www.epa.gov/compliance/pesticide-establishment-registration-and-reporting>

Establishment Name	AEC LIGHTING SOLUTIONS CO.,LTD.	EPA Est. No.	99798-CHN-1
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Pesticide Production Information

42. Product Code 4 (If "6," attach formulation per instructions.)			43. EPA Product Registration No. N/A		
44. Product Name Professional Air Disinfection and Treatment System for Public Space				45. Product Classification 51	
46. Product Type 4		47. Market Sold To USA		48. RUP Status 2	
				49. Unit of Measurement U	
50. Amount Produced, Repackaged or Relabeled				[2020] 200	
51. Amount Sold or Distributed - U.S.				[2020] 0	
52. Amount Sold or Distributed - Foreign (Foreign establishments enter "0")				[2020] 0	
53. Amount To Be Produced, Repackaged or Relabeled in				[2021] 2,000	

AIRSTERY



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