浙微测 FSDA Testing

中国认可
国际互认
检测
TESTING
CNAS L12972

TEST REPORT

Report Number: FB240712-43（XG2）

Sample Name: MASSPHOTON Q6060-A Air Sterilizer

Submitting Unit: MASSPHOTON LIMITED

2024 Y 08 M 27 D

浙江弗里斯检测技术有限公司
Zhejiang Fries Testing Technology Co., Ltd.

浙微测 FSDA Testing

中国认可 国际互认 检测 TESTING CNAS L12972

TEST REPORT

Acceptance number: B240712-43

Sample name	MASSPHOTON Q6060-A Air Sterilizer	Sample quantity	1set
Submitting unit	MASSPHOTON LIMITED	Sample character	Complete machine
Production unit	MASSPHOTON LIMITED	Sample acceptance date	2024-07-12
Date of production/lot number	/	Completion date	2024-08-07
Type or specification	Q6060-A	trademark	MASSPHOTON

I. Testing basis:

GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection" 8.1.5.1、8.1.5.2、Appendix A

II.Evaluation basis:

GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection"

Ⅲ.Test conclusion:

1. Ozone leakage: During testing, the sample of "MASSPHOTON Q6060-A Air Sterilizer" was tested in the 30m^3 environmental test chamber at a height of 1.5m from the ground for 1h. The average ozone concentration generated by the sample gas pipe was 0.000mg/m^3, which meets the requirements of GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection".

2. UV intensity: During testing, the the UV lamp beads in the sample "MASSPHOTON Q6060-A Air Sterilizer" are preheated for 5 minutes, then a UV radiometer probe is placed at a distance of 1.0m from the vertical center directly below the UV lamp beads (provided separately) , the UV intensity is (402.68-409.34)μW/cm², and its average value is 406.24μW/cm².

3. UV leakage: During testing, the sample "MASSPHOTON Q6060-A Air Sterilizer" was turned on, preheated for 5 minutes, and the UV intensity measured with a UV radiometer at a distance of 30cm from the sample was 0.000μW/cm², which meets the requirements of GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection".

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Legal representative (or authorized technical leader) (signature) Xueqing Ma

Final audit date 2024 Y 08 M 27 D

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TEST REPORT

Sample name	MASSPHOTON Q6060-A Air Sterilizer	Sample acceptance date	2024-07-12
Inspection item	Ozone leakage	Completion date	2024-08-07

I. Equipment:

1.Test sample: MASSPHOTON Q6060-A Air Sterilizer.

2. Instrument and equipment name and model: Ozone tester (106-L), number: CO02-005.

3. Environmental test chamber: 30m^3.

II.Methods:

1. Inspection basis: GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection" 8.1.5.2.

2.Testing steps: Turn on the power supply, turn on the sample, set the sterilization mode, and test the ozone concentration for 1h in the 30m^3 environmental test chamber with the sample gas pipe 1.5m above the ground.

3.Laboratory environment: Temperature 22℃-26℃, relative humidity 45%-60%.

III. Test results:

For the sample "MASSPHOTON Q6060-A Air Sterilizer", the mean ozone concentration of 1h tested in the 30m^3 environmental test chamber at a height of 1.5m from the ground was 0.000mg/m^3. The results are shown in Table 1.

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Table 1 Measurement results of ozone leakage

Test frequency	Time (min)	Concentration (mg/m^3)	Mean concentration (mg/m^3)	GB 28235-2020Standard requirement
1	0	0.000	0.000	≤0.1mg/m³
2	5	0.000		
3	10	0.000		
4	15	0.000		
5	20	0.000		
6	25	0.000		
7	30	0.000		
8	35	0.000		
9	40	0.000		
10	45	0.000		
11	50	0.000		
12	55	0.000		
13	60	0.000		

Ⅳ.Conclusion: During testing, the average ozone concentration of the sample "MASSPHOTON Q6060-A Air Sterilizer" was 0.000mg/m³ after 1h testing in the 30m³ environmental test chamber at a height of 1.5m from the ground, which meets the requirements of GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection".

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TEST REPORT

Sample name	MASSPHOTON Q6060-A Air Sterilizer	Sample acceptance date	2024-07-12
Inspection item	Ultraviolet intensity	Completion date	2024-08-07

I. Equipment:

1.Test sample: MASSPHOTON Q6060-A Air Sterilizer.

2. Instrument and equipment name and model: ultraviolet irradiance meter (HP-350UVPS), number: OB01-010.

II. Methods:

1. The test basis: GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection" Appendix A.

2. Detection steps: turn on the power supply and the ultraviolet lamp beads (provided separately) in the "MASSPHOTON Q6060-A Air Sterilizer" , preheat 5min, use the ultraviolet irradiance meter probe to test the ultraviolet intensity at 1.0m from the vertical center of the ultraviolet lamp beads.

3. Laboratory environment: temperature 22℃-26℃, relative humidity 45%-60%.

III. Test results:

The UV lamp beads (provided separately) in the sample "MASSPHOTON Q6060-A Air Sterilizer" were preheated for 5min, and the UV intensity was measured in (402.68 ~ 409.34) μW/cm^2, with an average value of 406.24μW/cm^2. The results are shown in Table 2.

Table 2 Results of UV intensity measurement

Sample number	Test distance	Result（μW/cm^2）			Mean value（μW/cm^2）
		1	2	3	
B240712-43-01	1.0m	402.68	409.34	406.71	406.24

Ⅳ.Conclusion: During testing, the ultraviolet lamp bead (provided separately) in the sample "MASSPHOTON Q6060-A Air Sterilizer" was preheated for 5min, and the ultraviolet intensity at the vertical center of 1.0m directly below the ultraviolet lamp bead was measured with the ultraviolet irradiance meter probe at (402.68 ~ 409.34) μW/cm^2. The mean value is 406.24μW/cm^2.

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Legal representative (or authorized technical leader) (signature) Xueqing Ma

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Final audit date 2024 Y 08 M 27 D

TEST REPORT

Acceptance number: B240712-43

Sample name	MASSPHOTON Q6060-A Air Sterilizer	Sample Acceptance date	2024-07-12
Inspection item	Uv leakage	Completion date	2024-08-07

I.Equipment:

1.Test sample: MASSPHOTON Q6060-A Air Sterilizer.

2.Instrument and equipment name and model: ultraviolet irradiance meter (HP-350UVPS), number: OB01-010.

II. Methods:

1. Inspection basis: GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection" 8.1.5.1.

2. Detection steps: The sample "MASSPHOTON Q6060-A Air Sterilizer" was preheated for 5min, and the ultraviolet irradiance meter was used to measure the ultraviolet intensity at 30cm around the sample.

3. Laboratory environment: temperature 22℃-26℃, relative humidity 45%-60%.

III. Test results:

After the sample "MASSPHOTON Q6060-A Air Sterilizer" was preheated for 5min, the ultraviolet intensity at a distance of 30cm around the sample was measured by the ultraviolet irradiance meter as 0.000μW/cm². The results are shown in Table 3.

Table 3 UV leakage measurement results

Test item	Irradiation intensity (μW/cm²)			GB 28235-2020 Standard requirement
	1	2	3	
UV leakage	0.000	0.000	0.000	≤5μW/cm²

IV.Conclusion: During testing, the sample "MASSPHOTON Q6060-A Air Sterilizer" is preheated for 5min, the ultraviolet intensity at 30cm around the sample measured by ultraviolet irradiance meter is 0.000μW/cm², which meets the requirements of GB 28235-2020 "Hygienic requirements for ultraviolet appliance of disinfection".

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浙微测 FSDA Testing

Report Explain

1、If there is any objection to the inspection / test report, it shall be submitted to the company within 15 days after the report is received.

2、The company shall guarantee the fairness of the test, be responsible for the test data, and keep confidential the samples and technical data provided by the client.

3、The client shall be responsible for the authenticity of the provided technical files and samples.

4、Do not copy the test report partially.

5、This inspection / test report is invalid without the "Special Inspection Seal" or the company's official seal; This test report is invalid without the signature of the authorized signatory; any alteration will be invalid.

6、The entrusted test is only responsible for the samples under normal circumstances.

7、When the CMA mark is not added in the report, the test data and results are only for scientific research, teaching, or internal quality control purposes.

Note: This report replaces report FB240712-43（XG1） issued on August 14, 2024, and the original report is invalid.

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