浙微测 FSDA Testing

中国认可
国际互认
检测
TESTING
CNAS L12972

TEST REPORT

Report Number: FB240613-14-C（XG1）

Sample Name: MASSPHOTON Q6060-A Air Sterilizer

Submitting Unit: MASSPHOTON LIMITED

2024 Y 08 M 22 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: B240613-14

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	2024-06-13
Date of production/lot number	/	Completion date	2024-07-17
Type or specification	Q6060-A	trademark	MASSPHOTON

I. Testing basis:

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

II. Evaluation basis:

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

Ⅲ. Test conclusion:

1. Air disinfection field test: During testing, the Sample "MASSPHOTON Q6060-A Air Sterilizer" was put in the 100m³ room and powered on, the sterilization mode was set, the running time was 2h, the test was repeated 3 times, and the extinction rate of natural bacteria in each test was >90%, 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

Testing institution seal

ZHEJIANG FRIES TESTING TECHNOLOGY CO.,LTD. FSDA REPORT SEAL

Final audit date 2024 Y 07 M 22 D

TEST REPORT

Sample name	MASSPHOTON Q6060-A Air Sterilizer	Sample acceptance date	2024-06-13
Inspection item	Air disinfection field test	Completion date	2024-07-17

I. Equipment:

1. Test strain: natural strain.
2. Test sample: MASSPHOTON Q6060-A Air Sterilizer.
3. Nutrient AGAR medium.
4. Air microorganism sampling device.
5. Test room: 100m^3.
6. Temperature and humidity meter, etc.

II. Methods:

1.Test basis: GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection" Appendix D.

2. Ambient temperature 20℃ ~ 25℃, relative humidity (50 ~ 70) %.

3. Detection steps:

1) Sampling before disinfection: After the air in the selected closed test site is still for 5 minutes, the natural bacteria in the air are sampled with a six-level sieve air impact sampler and used as the sample before disinfection (positive control).

2) The Sample "MASSPHOTON Q6060-A Air Sterilizer" was put in a 100m^3 room and powered on, the sterilization mode was set, and it ran for 2h, and sample the natural bacteria in the air as the post-disinfection sample (test sample).

3) Negative comparison is conducted simultaneously.

4) The test was repeated three times.

III.Test results:

The Sample "MASSPHOTON Q6060-A Air Sterilizer" was put in a 100m^3 room and powered on, the sterilization mode was set, it ran for 2h and the test process was repeated 3 times, and the average extinction rate of natural bacteria was 99.60%. The results are shown in Table 1.

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Table 1 Field test results of air disinfection

Effect time	Test strain	Control group (CFU/m³)	Experimental group (CFU/m³)	Extinction rate (%)	Average extinction rate (%)
2h	Native bacteria	2.3×10^3	7	99.70	99.60
		3.0×10^3	14	99.53	
		1.6×10^3	7	99.56	

Note: 1. No bacterial growth was observed in the negative control group.

2.Extinction rate= $\dfrac{\text{Average number of bacteria in samples before disinfection - Average number of bacteria in samples after disinfection}}{\text{Average bacterial count of samples before disinfection}} \times 100\%$

Ⅳ. Conclusion: During testing, the Sample "MASSPHOTON Q6060-A Air Sterilizer" was put in a 100m³room and powered on, the sterilization mode was set, and it ran for 2h. The test was repeated 3 times, and the extinction rate of natural bacteria in each test was > 90%, 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

Testing institution: ZHEJIANG FRIES TESTING TECHNOLOGY CO.,LTD. FSDA REPORT SEAL seal

Final audit date 2024 Y 08 M 21 D

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 FB240613-14-C issued on August 14, 2024, and the original report is invalid.

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