

		FSDA	""""""""""""""""""""""""""""""""""""""	FSDA	FSD 中国认可	浙 微 测	
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		FSDA	FSDA	FSDA	FSDA		
			'EST		PORT		
FSDA	ance number:	F50613-1	А			Page 1 of 3	
Accept			TOTON Q60	60-A Air	ESDA	ESDA	
	nple name mitting unit	Sterilizer MASSPH	IOTON LIM	ITED	Sample quantity Sample character Sample	1set Complete mach	ine
Proc	luction unit	MASSPH	IOTON LIM	ITED	acceptance date	2024-06-13	
	Date of duction/lot	FSDA		FSDA	FSD	A	FSDA
	number	/	FSDA		Completion date	2024-07-17	
	r specification	Q6060-A			trademark	A MASSPHOTO	NESDA
I. FSDA <sup>G</sup>	Testing basis:	: "Hygienic F	Requirements		blet Appliance of Dis	sinfection" Append	lix C FSDA
I. FSDA <sup>G</sup> II G	Testing basis: B 28235-2020 . Evaluation I B 28235-2020	"Hygienic F b <b>asis:</b> "Hygienic F		s for Ultravio	olet Appliance of Dis	sinfection"	
I. FSDA <sup>G</sup> II G	Testing basis: B 28235-2020 . Evaluation b B 28235-2020 [. Test conclus	Hygienic F basis: "Hygienic F sion:	Requirement	s for Ultravio FSD s for Ultravio	olet Appliance of Dis	sinfection"	
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Acceptance number:	B240613-14		Page 2 of 3	
FSDA	MASSPHOTON Q6060-A Air	Sample	FSDA	
Solution Sample name	Sterilizer FSPA	acceptance date	2024-06-13	FSDA
Inspection item	Simulated field test of air disinfection	Completion date	2024-07-17	
SI Equipment:	ESDA ESDA	FSI	AC	FSDA

SI. Equipment:

1. Test strain: Staphylococcus albus 8032.

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

3. Nutrient AGAR medium.

4. Air microorganism sampling device.

5. Environmental test chamber: 20m<sup>3</sup>.

6. Temperature and humidity meter, etc.

**II.Methods:** 

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

2. The ambient temperature of the test chamber is  $20^{\circ}$ C ~  $25^{\circ}$ C, and the relative humidity is (50 ~ D 70)%.

3. Brief description of test:

1) Aerosol spray staining: Put the comparison group and the experimental group in the test chambers, and spray aerosol, and use fans to stir at the same time. After spraying the aerosol, continue to stir for 5min and rest for 5min.

2) Sampling before disinfection: after the completion of spraying aerosol and resting for 5 minutes, samples were taken respectively from the test chambers of the comparison group and the experimental group before disinfection, and were used as positive comparison before the start of the comparison group and before the disinfection treatment of the experimental group.

3) The Sample "MASSPHOTON Q6060-A Air Sterilizer" is put in a closed 20m<sup>3</sup> environmental test chamber and powered on, the sterilization mode is set, the running time is 2h, and the sample is taken after disinfection.

4) Negative comparison is conducted simultaneously;

5) The test was repeated three times.

**III.**Test results:

The Sample "MASSPHOTON Q6060-A Air Sterilizer" was put in a closed 20m<sup>3</sup> environmental test chamber and powered on, the sterilization mode was set, and the operation time was 2h. The average killing rate of Staphylococcus alba 8032 was 99.92%. The results are shown in Table 1.

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**FSDA** Testing

中国认可

国际互认

TESTING **CNAS L12972**  **FSD** 

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		FSDA FSD	DA FSDJ 中国认可 国际互认	浙微 FSDA Test		
			AS 检测 TESTING CNAS L12972			FSD
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		TEST R	REPORT			
	Acceptance number:	B240613-14		Page 3 of 3		
	(Next page) SDA	Table 1 Results of simulated f	rspA ield test of air disinfection	FSDA	FSDA	FSI
-						
		Control group	Experimenta	al group		
Effec time	lest strain	Bacteria in Bacterial the air content of before the air after testVe testVe	Natural death rateNt (%) Bacteria in the air before the testV <sub>1</sub>	Bacterial	Kill SDAver ratioKt kill (%) (%	rage rate
Effec time	Test strain FSDA FSDA FSDA	$\begin{array}{c c} Bacteria in & Bacterial \\ the air & content of \\ before the & air after \\ test V_0 & test V_t \end{array}$	Natural death $the air$ $the air the air test V_1$	Bacterial content of air after testV <sub>2</sub> (CFU/m <sup>3</sup> )	ratioK <sub>t</sub> kill (%) (%	rage rate 6)
time 5DA	Test strain FSDA FSDA FSDA Staphylococcus	Bacteria in Bacterial the air content of before the air after testV <sub>0</sub> testV <sub>t</sub> (CFU/m <sup>3</sup> ) (CFU/m <sup>3</sup> )	Natural death rateNt (%) Bacteria in the air before the testV <sub>1</sub> (CFU/m <sup>3</sup> ) 24.24 $1.1 \times 10^5$	Bacterial content of air after testV <sub>2</sub> (CFU/m <sup>3</sup> )	ratioK <sub>t</sub> kill (%) (% FSDA 99.91	rate 6 <sup>)</sup> FST

Note: Natural extinction rate:  $N_t = \frac{V_0 - V_t}{V_0} \times 100$ Killing rate:  $K_t = \frac{V_1(1 - N_t) - V_2}{V_1(1 - N_t)} \times 100$ 

IV.Conclusion: During testing, the sample "MASSPHOTON Q6060-A Air Sterilizer" was put in a closed  $20m^3$  environmental test chamber and powered on, the sterilization mode was set, the running time was 2h, the test was repeated 3 times, and the killing rate of Staphylococcus alba 8032 was > 99.90% in each test, which meets the requirements of GB 28235-2020 "Hygienic Requirements for Ultraviolet Appliance of Disinfection". (Blank below)

Legal representative (or authorized technical leader) (signature) Me qi'hg MeFinal audit date 30% Y of M  $\mathcal{M}$  D

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Testing institution

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## **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-D issued on August 14, 2024, and the original report is invalid.

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