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Gmicro Testing



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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Report No.

2024FM23461R03E

Name of Sample

UV Hand Dryer with Negative Oxygen Ions

Applicant

Ningbo Power(Joro) Sanitary Electrical Appliance Co.ltd

Test Type

Entrustment Test



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REPORT FOR ANALYSIS



Report №.: 2024FM23461R03E

Verification Code: PH369SV5

Name of Sample	UV Hand Dryer with Negative Oxygen Ions	Test Type	Entrustment Test
Applicant	Ningbo Power(Joro) Sanitary Electrical Appliance Co.ltd	Address	99 Xiangyun North Road, High-Tech Zone, Ningbo, China
Sample Source	Submitted for Testing by the Applicant	Sample Quantity	1PC
Spec and Lot № of Sample	PW-Zap-X	State and Characteristic	Machine
Sample Received Date	2024-12-24	Test Completion Date	2025-01-15
Item Tested	Validation of disinfection efficacy of sterilization and disinfection instruments		
Test Standard and Method	Technical Standard for Disinfection (2002 Ministry of Health P.R.China)- 2.1.5.4		
Test Conclusion	The test data of the sample(s) is attached to the page(s) of this report. Issue Date: 2025-01-15 (Official Seal)		
Remarks	1. Manufacturer: Ningbo Power(Joro) Sanitary Electrical Appliance Co.ltd. Supplier: 99 Xiangyun North Road, High-Tech Zone, Ningbo, China. (Provided by the applicant) 2.PW-Zap X Pro ,PW-Zap Y , PW-Zap Y Pro, PW-UV C300 The main functional components inside are the same as those of the product submitted for inspection, and the appearance (shell) and the installation position of accessories are different from those of the product submitted for inspection. (Provided by the applicant)		

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1. Sample pretreatment: Prepared the bacterial carrier with the filter provided by the applicant. Then placed on the titanium dioxide filter of the prototype and turned on the prototype for 4 hours.

2. Test Result:

Test Organisms	Test groups	Average number of positive controls (cfu/piece)	Average number of testing groups (cfu/piece)	Killing rate (%)	Sterilization logarithm
<i>Escherichia coli</i> 8099	1	1.9×10^6	< 5	> 99.99	> 5.58
	2	1.7×10^6	< 5	> 99.99	> 5.53
	3	1.6×10^6	< 5	> 99.99	> 5.50
<i>Staphylococcus aureus</i> ATCC 6538	1	3.7×10^6	< 5	> 99.99	> 5.87
	2	3.9×10^6	< 5	> 99.99	> 5.89
	3	3.6×10^6	< 5	> 99.99	> 5.86
<i>Candida albicans</i> ATCC 10231	1	6.4×10^5	< 5	> 99.99	> 5.11
	2	6.2×10^5	< 5	> 99.99	> 5.09
	3	6.3×10^5	< 5	> 99.99	> 5.10
<i>Staphylococcus albus</i> 8032	1	2.2×10^6	< 5	> 99.99	> 5.64
	2	2.4×10^6	< 5	> 99.99	> 5.68
	3	2.3×10^6	< 5	> 99.99	> 5.66

Sample picture



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