



广微测
Gmicro Testing



中国认可
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检测
TESTING
CNAS L1747

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

REPORT FOR ANALYSIS

Report No. 2020SP5980R01E

Name of Sample Dry Fog Hydrogen Peroxide Disinfector

Applicant AEC Lighting Solutions Co., Ltd.

Test Type Entrustment Test



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Report No.: 2020SP5980R01E Verification Code: 89342610



Name of Sample	Dry Fog Hydrogen Peroxide Disinfectant	Test Type	Entrustment Test
Applicant	AEC Lighting Solutions Co., Ltd.	Address	2548 Baoan Road Jiading District Shanghai, China
Sample Source	Submitted for Testing by the Applicant	Sample Quantity	1 set (including supporting disinfectant)
Spec and Lot No of Sample	Model: FHP01CN	State and Characteristic	Machine
Sample Received Date	2020-06-15	Test Completion Date	2020-07-24
Test Standard and Method	Technical Standard for Disinfection (Ministry of Health, Edition 2002), section 2-2.2.1.4, etc.		
Item Tested	pH, etc.		
Test Conclusion	<p>The test data of the sample(s) is attached to the page(s) of this report.</p> <p>Issue Date: 2020-08-17 (Official Seal)</p>		
Remarks	The applicant claims: The additional models of this product are UVP801C/SNL201C/HPD1C /DFD1C.		

Editor: Chen Jingxun

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GUANGDONG DETECTION CENTER OF MICROBIOLOGY

ANALYSIS AND TEST RESULT

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(3) Neutralizer identification test

1) Test Method: Technical Standard for Disinfection (Ministry of Health, Edition 2002), section 2- 2.1.1.5.5

2) Action Time: 5 min

3) Test concentration: Stock solution

4) Neutralizer: PBS solution containing 3% Tween-80, 0.5% sodium thiosulfate, 0.5% L-histidine, 0.5% peptone, 0.85% sodium chloride, 1.43% lecithin, 0.1% cysteine

5) Results:

Results:

Test organisms	group	Number of growth bacteria per test (cfu/mL)		
		1	2	3
<i>Staphylococcus albus</i> 8032	Group 1 (disinfectant + bacterial suspension)	<10	<10	<10
	Group 2 (disinfectant + bacterial suspension) + neutralizer	70	60	8
	Group 3 Neutralizer + bacterial suspension	3.6×10^7	3.5×10^7	4.2×10^7
	Group 4 (disinfectant + neutralizer) + bacterial liquid	4.3×10^7	3.6×10^7	3.8×10^7
	Group 5 PBS + bacterial suspension	4.1×10^7	4.1×10^7	4.2×10^7
	Group 6 PBS, neutralizer, medium	Aseptic growth	Aseptic growth	Aseptic growth
	The average number of growth bacteria in groups 3, 4, and 5 was similar, and the average error rate of colony numbers in the three trials was 5.68%.			
	Experimental conclusion: The test results meet all the conditions specified in the evaluation, and the tested neutralizer is qualified.			

(to continue)

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ANALYSIS AND TEST RESULT

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(4) Disinfection efficiency for air (Simulated field test)

1. Test Method: Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.3.4
2. Methods briefly: According to the request of the applicant, the tested machine is turned on, the room size is 20m³ and the remaining capacity is set, the machine automatically generates the atomization amount 5mL/m³, and the test is performed after 90 minutes of operation.
3. Test result:

Test organisms	Action time	No.	Bacteria in the air (cfu/m ³)	Sterilization rate (%)
<i>Staphylococcus albus</i> 8032	0h(CK)	1	1.3×10^5	
		2	1.2×10^5	
		3	1.0×10^5	
	90min	1	<7	>99.99
		2	<7	>99.98
		3	<7	>99.98

Environment relatively humidity: 61%

Environment temperature: 24.2℃

Note:The result of bactericidal rate test has eliminated the effect of microbial natural decay in air.

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Notice Items

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2. The Test report is invalid without signature of verifier and approver.
3. The Test report is invalid if being supplemented, deleted or altered.
4. Without prior written permission, the report cannot be reproduced, except in full.
5. Unless otherwise stated, the results shown in this test report refer only to the sample(s) submitted.
6. Any dispute of the report must be raised to the testing body within 15 days after the report is received, exceeding which the dispute will not be accepted.
7. For the tested sample(s) submitted by the applicant, the sample information in the test report is provided by the applicant and the laboratory is not responsible for its authenticity.

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