



201819000873

TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L7673

Applicant : Hygea International Ltd.
Address : KempHouse, 152-160 CityRoad, LondonEC1V2NX, UK

The following merchandise was (were) submitted and identified by the client as:

Name of Sample : Hygea Air UV LED for Mini Split
Test Type : Commission
Sample Quantity : 1
Model : 260003
Batch No. : /
Brand : /
Manufacturer: /
Sample Received : 2020/10/29
Test Period : 2020/10/29 – 2020/11/13
Test Items : Please refer to next page(s).
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s). Machine
Sample Description : /
Note:

Edited by: 黄婉盈

Approved by: [Signature]

Checked by: [Signature]

Official Seal: [Red Seal: 广州中科检测技术有限公司 检验检测专用章]

TEST RESULT(1) :

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Table 1 Summary of test results							
Chapter	Test Item(s)		Unit	Test Result(s)		Limiting Value	Test Method(s)
2.1.3	Killing rate (Bench-scale experiment)	Staphylococcus albus	%	120 min	>99.95	≥99.90%	Technical Standard for Disinfection (2002)
					>99.94		
					>99.94		

***** TO BE CONTINUED *****

TEST RESULT(2) :

Table 2 Test data of killing rate								
Test bacteria	Test time (min)	Test number	Control group			Test group		Killing rate K_t (%)
			Colony count before test V_0 (CFU/m ³)	Colony count after test V_t (CFU/m ³)	Natural decay rate N_t (%)	Colony count before test V_1 (CFU/m ³)	Colony count after test V_2 (CFU/m ³)	
<i>Staphylococcus albus</i>	120	1	9.79×10 ⁴	6.38×10 ⁴	34.83	1.01×10 ⁵	<35	>99.95
		2	9.26×10 ⁴	5.85×10 ⁴	36.83	9.79×10 ⁴	<35	>99.94
		3	9.36×10 ⁴	6.06×10 ⁴	35.26	9.15×10 ⁴	<35	>99.94

Inspection instructions:

- Test method
Technical Standard for disinfection (2002)
- Test microorganism
Staphylococcus albus 8032
- Test conditions
1) Environment temperature:(20~25)°C
2) Environment humidity:(50~70)%RH
- Test equipment
Test chamber (1 m³), six-stage sieve sampler (FA-1), Microbial aerosol generator, Microbial aerosol concentrator, NA
- Operation conditions of the machine: "Maximum Wind Speed", "UV"
- Computational formula

$$\text{Natural decay rate } N_t(\%) = \frac{V_0 - V_t}{V_0} \times 100$$

where: V_0 = Colony count before test of control group; V_t = Colony count after test of control group

$$\text{Bactericidal rate } K_t(\%) = \frac{V_1 \times (1 - N_t) - V_2}{V_1 \times (1 - N_t)} \times 100$$

where: V_1 = Colony count before test of test group; V_2 = Colony count after test of test group.

***** TO BE CONTINUED *****



中科检测
CAS TESTING

Report No. : JKK20100086(E)

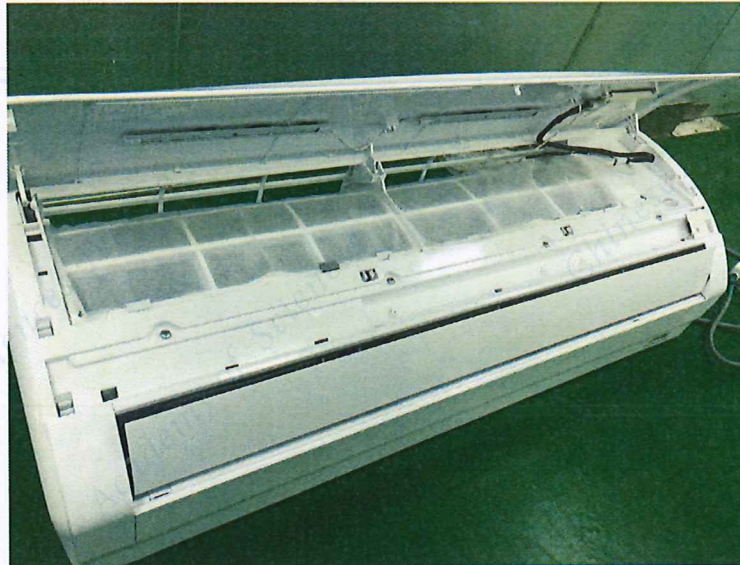
广州中科检测技术服务有限公司

Guangzhou CAS Test Technical Services Co., Ltd.

Report Date : 2020/11/13

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SAMPLE PHOTO



***** END OF REPORT *****



STATEMENT

1. This report is issued by The Guangzhou CAS Test Technical Services Co., Ltd (hereinafter referred to as "Our Company").
2. This report is invalid if not affixed with authorized stamp of test and paging seal.
3. This report is invalid without signature of verifier and approver.
4. This report is invalid if being supplemented, deleted or altered.
5. Without written permission of our Company, this report can not be reproduced in part (except in whole).
6. The result(s) shown in this report refer only to the sample(s) tested, but do not apply to the same batch, size or brand of products (except the test samples) or to prove the related methods of making, processing or production of the test sample(s), or the correctness and rationality of processes or process.
7. Objections to this report must be submitted to our Company within 15 days. Otherwise, it will automatically deem to have accepted this report.
8. The Client shall be responsible for the accuracy, authenticity and completeness of the samples and information submitted for inspection, and the disputes arising therefrom shall be borne by the Client.
9. As any reports is issued as a result of this application for testing services, our Company will strictly keep confidentiality to the Clients. Except where disclosure is required on the basis of laws, regulations, judgments, and rulings (including in accordance with summons, court, or government proceedings).
10. The result(s) or conclusion(s) shown in this report about the description of the characteristics, composition, properties or quality are based on the specific time, methods and applicable criteria. Using different methods and criteria or under different environmental conditions for testing may come to different conclusions.
11. Since our Company's causes lead to modify the contents of this report, our Company shall reissue this report and bear the modification cost. The Client shall return the original report. Since the Client's causes lead to modify the contents of this report, the Client need to submit an application form for the change of report to our Company. The Client shall bear the modification cost and return the original report if our Company approves to reissue this report.
12. The English version of this statement is translated from the Chinese one. If there is any disagreement between them, the Chinese version will be the final explanation.