

Report No. : JKK24060068A(E)

Report Date : 2024/07/18

Page No. : 1 of 5



201819000873

TEST REPORT



中国认可
国际互认
检测
TESTING
CNAS L7673

Applicant : CARAVAN EXPRESS SRL
Address : Republic of MOLDOVA, Chisinau city, Decebal Boulevard 76, postal code MD-2038

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

Name of Sample : Bactericidal air recirculator
Test Type : Commission
Sample Quantity : 1 PC
Model : RBI 100 - 1200
Production date or batch No. : 2024-6-3
Brand : ALICOM
Manufacturer : CARAVAN EXPRESS SRL
Sample Received : 2024/06/24
Test Period : 2024/06/25 – 2024/07/04
Test Items : Please refer to next page(s).
Test Method : Please refer to next page(s).
Test Result : Please refer to next page(s).
Sample Description : Medical device
Note : Recommended for medical, pre-school and school Institutions.

Edited by: 黄婉 易

Approved by: [Signature]

Checked by: [Signature]

Official Seal: [Red Seal: 检验检测专用章]

TEST RESULTS(1):

Table 1 Summary of test results

Chapter	Test Item(s)		Unit	Test Result(s)		Limiting Value	Test Method(s)
5.3.1	Removal rate (Field test)	Natural microbe	%	120 min	93.18	≥50%	GB/T 18801-2022
					91.04		
					92.30		
	Removal rate	<i>Staphylococcus aureus</i>	%	120 min	99.98		
		<i>Aspergillus niger</i>		120 min	99.93		

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

TEST RESULTS(2):

Table 2 Test data of sterilizing function evaluation of air cleaner (Field test)

Test microorganism	Test time (min)	Test number	Colony count before test V_0 (CFU/m ³)	Colony count after test V_t (CFU/m ³)	Removal rate K_t (%)
Natural microbe	120	1	2.33×10^3	1.59×10^2	93.18
		2	2.01×10^3	1.80×10^2	91.04
		3	1.74×10^3	1.34×10^2	92.30

Inspection instructions:

- Test method
GB 21551.3-2010 Antibacterial and cleaning function for household and similar electrical appliances-Particular requirement of air cleaner (Annex A)
- Test conditions
 - Environment temperature: (22~26)°C
 - Environment humidity: (58~62)%RH
- Test equipment
 - Test chamber: Empty confined room about 30 m³
 - Culture media: NA
 - Sampler: six-stage sieve sampler
- Operation conditions of the machine
Set the switch to position "Maximum Wind Speed".
- Computational formula
Removal rate $K_t(\%) = \frac{V_0 - V_t}{V_0} \times 100$

where: V_0 = Colony count before test; V_t = Colony count after test.

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

TEST RESULTS(3):

Table 3 Test data of sterilizing function evaluation of air cleaner

Test bacteria	Test time (min)	Test number	Control group		Test group		Removal rate K_t (%)
			Colony count before test V_0 (CFU/m ³)	Colony count after test V_t (CFU/m ³)	Colony count before test V_1 (CFU/m ³)	Colony count after test V_2 (CFU/m ³)	
<i>Staphylococcus aureus</i>	120	1	1.18×10^5	6.20×10^4	1.08×10^5	12	99.98
		2	1.09×10^5	5.81×10^4	1.16×10^5	18	99.97
		3	1.22×10^5	6.28×10^4	1.13×10^5	12	99.98
		Mean					99.98
<i>Aspergillus niger</i>	120	1	1.04×10^5	5.09×10^4	1.10×10^5	30	99.94
		2	1.00×10^5	4.79×10^4	1.07×10^5	30	99.94
		3	1.09×10^5	5.36×10^4	1.02×10^5	41	99.92
		Mean					99.93

Inspection instructions:

- Test method
GB 21551.3-2010 Antibacterial and cleaning function for household and similar electrical appliances- Particular requirement of air cleaner (Annex A)
- Test microorganism
Staphylococcus aureus ATCC 6538, *Aspergillus niger* ATCC 16404
- Test conditions
1) Environment temperature:(20~25)°C
2) Environment humidity:(50~70) %RH
- Test equipment
Test chamber (30 m³), six-stage sieve sampler (FA-1), Microbial aerosol generator, NA, SDA
- Operation conditions of the machine
Set the switch to position"Maximum Wind Speed".
- 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

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

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

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

Statement

1. This report is issued by The CAS Testing Technical Services (GuangZhou) 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 editor, 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.
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.

