



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 : 2025/08/11
Test Period : 2025/08/15 – 2025/08/17
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 : Machine
Note: /

Edited by: 李 颖 莎

Approved by: [Signature]

Checked by: [Signature]

Official Seal: [Red Seal: 检验检测专用章]

TEST RESULTS:

Table 1 Summary of test results

| Chapter | Test Item(s) | | Unit | Test Result(s) | | Limiting value | Test Method(s) |
|---------|-----------------------|------------------------------|------|----------------|-------|----------------|-----------------|
| 5.3.1 | Bacteria removal rate | <i>Klebsiella pneumoniae</i> | % | 120 min | 99.98 | ≥50% | GB/T 18801-2022 |

Table 2 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>Klebsiella pneumoniae</i> | 120 | 1 | 8.55×10^4 | 4.06×10^4 | 9.33×10^4 | 12 | 99.97 |
| | | 2 | 9.71×10^4 | 4.34×10^4 | 9.94×10^4 | 12 | 99.97 |
| | | 3 | 9.04×10^4 | 4.54×10^4 | 8.76×10^4 | 6 | 99.99 |
| | | Mean | | | | | 99.98 |

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
Klebsiella pneumoniae ATCC4352
- 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
- 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

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