



中国认可
国际互认
检测
TESTING
CNAS L7675

TEST REPORT

Applicant : Foshan Shunde Xiangtai Scavenging Material CO.,LTD.
Address : Block1,No.9 Industrial Road Fengjian Industrial Zone,Xingtai Town,Shunde District,
Foshan City,China

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

Name of Sample : Air purifier
Test Type : Commission
Sample Quantity : 2PCS
Model : XT-KJ1200
Batch No.: /
Brand : /
Manufacturer: Foshan Shunde Xiangtai Scavenging Material CO.,LTD.
Sample Received : 2022/04/12
Test Period : 2022/04/12 – 2022/05/17
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:

Client statement:The model XT-KJ800 is the same as the tested model XT-KJ1200 except for the appearance and color. The electrical principle, structure,used electrical parts, degerming module and electronic control are completely consistent with the test model.

Edited by: 黄婉盈

Approved by: [Signature]

Checked by: 王智坚

Official Seal: _____



TEST RESULTS:

Table 1 Test data of virus aerosol removal							
Virus strain	Test time (min)	Test number	Control group		Test group		Removal rate K_t (%)
			0 min V_0 (TCID ₅₀ /m ³)	60 min V_t (TCID ₅₀ /m ³)	0 min V_1 (TCID ₅₀ /m ³)	60 min V_2 (TCID ₅₀ /m ³)	
HCoV-229E	60	1	3.52×10^7	7.03×10^6	2.22×10^7	ND	>99.99
		2	4.79×10^7	1.03×10^7	2.80×10^7	ND	>99.99
		3	3.72×10^7	6.79×10^6	2.91×10^7	ND	>99.99

Remark:ND = Not detected

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

Inspection instructions

1. Test method

Technical Standards for Disinfection (2002) 2.1.3

2. Test item

Virus strain: HCoV-229E(VR-740)

Cell: Huh-7 Cell

3. Test equipment & materials

Test chamber (30 m³), Sampling pump, Aerosol generator, Liquid impingement sampler

4. Test condition

1) Environment temperature: 20~25 °C

2) Environment humidity: 50~70 %RH

5. Operation condition of the machine

Set the switch to position "P5"(Maximum Wind Speed),"UV"

6. Test procedure

1) Adjust the temperature and relative humidity of the test chamber according to the requirements.

2) Place the equipment to the test chamber and then close the door.

3) Turn on the aerosol generator to atomize the virus and mix with a fan. After atomizing, virus was placed for a certain time.

4) Collect the sample of the control group and test group before purification.

5) Purification was carried out in the test chamber. The control chamber was used as comparison

6) To the specified time, the test group and the control group were sampled at the same time..

7) Test the virus titer of the collected sample, the procedure was as follow:

a) The collected sample was diluted 10 times.

b) The diluent was added to the 96-pore cell culture plates with monolayer cells, and the control group added the equivalent culture media.

c) Cells were cultured at 35°C and 5% CO₂ for 60 min, and discarded the supernatant. 400 IU/mL double antibody was added to maintenance culture media for 3~5 days. The cell morphology was observed.

d) When the cells appeared to become round and shrink, record the cytopathic changes

e) Viral titers were calculated by the Reed-Muench method and expressed as TCID₅₀.

8) Calculate the virus titer and the removal rate, and this experiment repeated 3 times.

7. Computational formula

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

(V₀ = the original virus titer of control group, V_t = the final virus titer of control group)

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

(V₁ = the original virus titer of test group, V₂ = the final virus titer 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 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. The inspected project has not obtained the qualification recognition.The data result(s) just for scientific research,teaching,internal quality control etc.
12. 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.
13. 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.