



中国认可  
国际互认  
检测  
TESTING  
CNAS L7673

# TEST REPORT

Applicant : Savewo Limited  
Address : 1/F&2/F,266-270 Texaco Road, Tsuen Wan, Hong Kong

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

Name of Sample : Savewo air purifier TGP-X1C  
Test Type : Commission  
Sample Quantity : 2PCS  
Model : /  
Batch No. : /  
Brand : Savewo  
Manufacturer: Savewo Limited  
Sample Received : 2023/01/03  
Test Period : 2023/02/02-2023/02/09  
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: 黄婉晶

Approved by: [Signature]

Checked by: 叶智星

Official Seal: [Red Seal: 中科检测技术服务(广州)股份有限公司 检验检测专用章]

**TEST RESULTS:**

Table 1 Test data of virus aerosol removal							
Virus strain	Test time (min)	Test number	Control group		Test group		Removal rate $K_t$ (%)
			The original virus titer $V_0$ (TCID <sub>50</sub> /m <sup>3</sup> )	The final virus titer $V_t$ (TCID <sub>50</sub> /m <sup>3</sup> )	The original virus titer $V_1$ (TCID <sub>50</sub> /m <sup>3</sup> )	The final virus titer $V_2$ (TCID <sub>50</sub> /m <sup>3</sup> )	
HCoV-229E	60	1	3.08×10 <sup>7</sup>	7.63×10 <sup>6</sup>	4.07×10 <sup>7</sup>	ND	>99.99
		2	3.74×10 <sup>7</sup>	8.11×10 <sup>6</sup>	4.23×10 <sup>7</sup>	ND	>99.99
		3	3.78×10 <sup>7</sup>	8.17×10 <sup>6</sup>	4.19×10 <sup>7</sup>	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 m<sup>3</sup>),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 "Maximum Wind Speed".

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% CO<sub>2</sub> 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 TCID<sub>50</sub>.

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

7. Computational formula

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

(V<sub>0</sub> = the original virus titer of control group, V<sub>t</sub> = the final virus titer of control group)

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

(V<sub>1</sub> = the original virus titer of test group, V<sub>2</sub> = the final virus titer of test group)

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



## Statement

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