



201819000873

# TEST REPORT



中国认可  
国际互认  
检测  
TESTING  
CNAS L7673

Applicant : SINCLAIR Global Group s.r.o.  
Address : Purkynova 45, 612 00 Brno, CZ

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

Name of Sample : air purifier  
Test Type : Commission  
Sample Quantity : 1  
Model : SP-75UV  
Batch No. : /  
Brand : SINCLAIR  
Manufacturer: /  
Sample Received : 2021/04/15  
Test Period : 2021/04/15 – 2021/04/22  
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: 黄婉盈

Approved by: [Signature]

Checked by: [Signature]

Official Seal: [Red Seal]



**TEST RESULT 1 :**

Table 1 Summary of test results							
Chapter	Test Item(s)		Unit	Test Result(s)		Limiting Value	Test Method(s)
4.2.1	Killing rate	<i>Staphylococcus aureus</i>	%	60 min	99.99	≥50%	GB 21551.3-2010

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

检测



**TEST RESULT 2 :**

Table 2 Test data of sterilizing function evaluation of air cleaner								
Test bacteria	Test time (min)	Test number	Control group			Test group		Killing rate $K_t$ (%)
			Colony count before test $V_0$ (CFU/m <sup>3</sup> )	Colony count after test $V_t$ (CFU/m <sup>3</sup> )	Natural decay rate $N_t$ (%)	Colony count before test $V_1$ (CFU/m <sup>3</sup> )	Colony count after test $V_2$ (CFU/m <sup>3</sup> )	
<i>Staphylococcus aureus</i>	60	1	9.11×10 <sup>4</sup>	7.09×10 <sup>4</sup>	22.17	9.86×10 <sup>4</sup>	<6	>99.99
		2	1.09×10 <sup>5</sup>	8.22×10 <sup>4</sup>	24.59	1.06×10 <sup>5</sup>	6	99.99
		3	1.05×10 <sup>5</sup>	8.31×10 <sup>4</sup>	20.86	1.11×10 <sup>5</sup>	6	99.99
		Mean						99.99

**Inspection instructions:**

## 1. Test method

GB/T18801-2015 Antibacterial and cleaning function for household and similar electrical appliances- Particular requirement of air cleaner (Annex A)

## 2. Test microorganism

*Staphylococcus aureus* ATCC6538

## 3. Test conditions

- 1) Environment temperature:(20~25)°C
- 2) Environment humidity:(50~70)%RH

## 4. Test equipment

Test chamber (30 m<sup>3</sup>), six-stage sieve sampler (FA-1), Microbial aerosol generator, NA

## 5. Operation conditions of the machine

Set the switch to position "Maximum Wind Speed", "Negative ion", "UV".

## 6. Computational formula

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

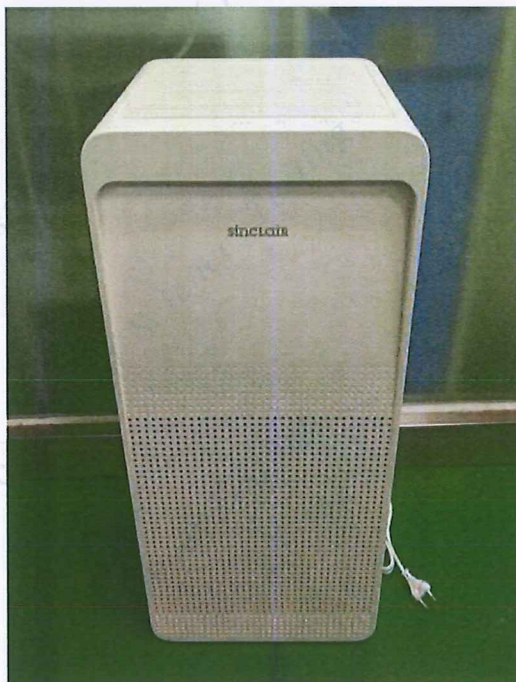
where:  $V_0$  = Colony count before test of control group;  $V_t$  = Colony count after test of control group

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

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

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

**SAMPLE PHOTO**



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

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## Statement

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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.
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