



201819000873

# TEST REPORT



中国认可  
国际互认  
检测  
TESTING  
CNAS L7673

Applicant : Qierling (Beijing) Health Technology Co., Ltd.  
Address : No. 101-42/101-43 (Dongsheng district), 9th Floor, No 1 Building, No 8th , Heiquan Road, Haidian District, Beijing City.

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

Name of Sample : 720 DS-S800 Air Purifiering Disinfectior  
Test Type : Commission  
Sample Quantity : 1  
Model : DS-S800  
Batch No. : /  
Brand : 720  
Manufacturer: Healthlead Corproation Limited  
Sample Received : 2020/08/24  
Test Period : 2020/08/24-2020/08/31  
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: 叶智坚

Official Seal: [Red Seal]



**TEST RESULTS 1:**

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

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

检测合格



**TEST RESULT 2:**

Table 2 Test data of removal rate (simulated field test)								
Test bacteria	Test time (min)	Test number	Control group			Test group		Removal 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>Pseudomonas aeruginosa</i>	60	1	8.67×10 <sup>4</sup>	6.34×10 <sup>4</sup>	26.87	8.29×10 <sup>4</sup>	<7	>99.99
		2	8.56×10 <sup>4</sup>	6.02×10 <sup>4</sup>	29.67	8.70×10 <sup>4</sup>	<7	>99.99
		3	8.98×10 <sup>4</sup>	6.27×10 <sup>4</sup>	30.18	8.39×10 <sup>4</sup>	<7	>99.99
		Mean						
<i>Klebsiella pneumoniae</i>	60	1	8.47×10 <sup>4</sup>	5.91×10 <sup>4</sup>	30.22	7.94×10 <sup>4</sup>	<7	>99.99
		2	7.67×10 <sup>4</sup>	4.90×10 <sup>4</sup>	36.11	8.51×10 <sup>4</sup>	<7	>99.99
		3	8.31×10 <sup>4</sup>	5.64×10 <sup>4</sup>	32.13	8.33×10 <sup>4</sup>	<7	>99.99
		Mean						

**Inspection instructions:**

## 1. Test method

GB 21551.3-2010 Antibacterial and cleaning function for household and similar electrical appliances- Particular requirement of air cleaner (Annex A)

## 2. Test microorganism

*Pseudomonas aeruginosa* CMCC10104, *Klebsiella pneumoniae* ATCC 4352

## 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".

## 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** \*\*\*\*\*

专用



## Statement

1. This report is issued by The Guangzhou CAS Test Technical Services 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, 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.
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.
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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.
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