

广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

TEST REPORT



Report Number

KY20190018

Name of Sample

Air Purifier

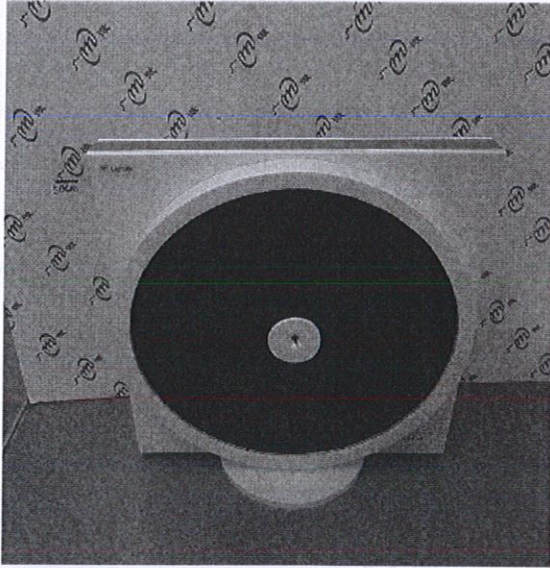
Applicant

Sino Vantage Industrial Ltd.

GUANG ZHOU INSTITUTE OF MICROBIOLOGY
TEST REPORT

Date Received: Mar. 13, 2019

Date Analyzed: Mar. 20, 2019

Name of Sample	Air Purifier	Source of Sample	Delivery
Applicant	Sino Vantage Industrial Ltd.	Client	Wilson Lam
Manufacturer	Sino Vantage Industrial Ltd.	Brand	LightAir
Type and Specification	CFPro900	Quantity of Sample	1PC
Date of Production	---	State of Sample	Machine
Batch Number	---	Packing of Sample	In box
Sample Picture			
Standard and Methods	<ol style="list-style-type: none"> 1. Refer to GB/T 18801-2015 Air cleaner 2. Refer to <Technical Standard For Disinfection> 2002-2.1.3 Air disinfection effect evaluation test 		
Items of Analysis	Purification Effect of Airborne Virus Aerosol (<i>Influenza A virus A/PR8/34 H1N1</i>)		
Remarks	---		

To be continued

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Test Method for Purification Effect of Airborne Virus Aerosols

1. Test Equipment
 - 1) Strain: *Influenza A virus A/PR8/34 H1N1*
 - 2) Cells: MDCK
2. Test Conditions
 - 1) Environment temperature: (23~25) °C
 - 2) Environment relative humidity: (50~60) %
 - 3) Test time: 60min
 - 4) The volume of the test chamber: 30 m³
 - 5) Machine setting: "The highest wind speed".

Test Results

Number of Sample	Virus	Test Number	Control Group			Test Group		
			0 min (TCID ₅₀ /m ³)	60 min (TCID ₅₀ /m ³)	Natural Decay Rate (%)	0 min (TCID ₅₀ /m ³)	60 min (TCID ₅₀ /m ³)	Purification Rate (%)
KY20190018-1	A/PR8/34 (H1N1)	1	7.45×10 ⁵	1.60×10 ⁵	78.61	5.06×10 ⁵	/	≥99.99
		2	5.06×10 ⁵	1.60×10 ⁵	68.38	3.42×10 ⁵	/	≥99.99
		3	3.42×10 ⁵	7.47×10 ⁴	78.16	3.42×10 ⁵	/	≥99.99

Note: "/" means not detected.

*** End of report***

Editor

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Checker

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Issuer

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Date Reported

Handwritten date: 2019.4.18



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7. Any ambiguity by the language which used in the report, the Chinese shall prevail.

Contact Address, NO.1Jiantashan Road, Huangpu District, Guangzhou City, Guangdong Province

Test Address, (only fill in when it's different from the contact address)

Postal Code, 510663

Tel., (8620)61302671

URL, <http://www.ggtest.com.cn>