

广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

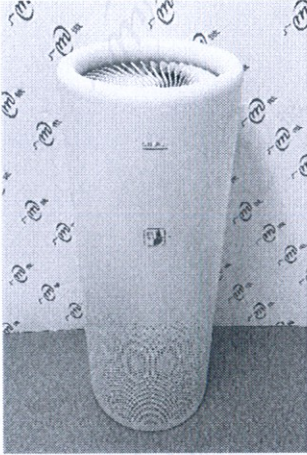
TEST REPORT

Report Number	KY20200127(A)
Name of Sample	Smart Air Purifier
Applicant	Dongguan LIFAair Technology Limited

GUANG ZHOU INSTITUTE OF MICROBIOLOGY
TEST REPORT

Date Received: Feb. 22, 2020

Date Analyzed: Feb. 23, 2020

Name of Sample	Smart Air Purifier	Source of Sample	Delivery
Applicant	Dongguan LIFAair Technology Limited	Client	Du Jing
Manufacturer	---	Brand	LIFAair
Type and Specification	KJ600G-L50V	Quantity of Sample	3PCs
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	Filter element: LA33 filter element.		

*** 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 (%)
KY20200127(A)-1	A/PR8/34 (H1N1)	1	2.35×10 ⁵	4.26×10 ⁴	81.87	2.09×10 ⁵	/	≥99.99
		2	3.14×10 ⁵	5.89×10 ⁴	81.24	3.38×10 ⁵	/	≥99.99
		3	1.60×10 ⁵	3.04×10 ⁴	80.00	1.73×10 ⁵	/	≥99.99

*** End of report***

Editor 黄东浪 Checker 王松 Issuer 林华 Date Reported



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