

广州市微生物研究所

GUANG ZHOU INSTITUTE OF MICROBIOLOGY

检测报告

TEST REPORT

Report Number

KY20200051

Name of Sample

Air Purifier


Applicant

LightAir Holding AB

GUANG ZHOU INSTITUTE OF MICROBIOLOGY
TEST REPORT

Date Received: Feb. 13, 2020

Date Analyzed: Feb. 18, 2020

Name of Sample	Air Purifier	Source of Sample	Delivery
Applicant	LightAir Holding AB	Client	Wilson Lam
Manufacturer	Sino Vantage Industrial Ltd.	Brand	LightAir
Type and Specification	Mini100WEWE	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	The client claimed that the model Mini100BKBK and the test model Mini100WEWE tested except for the color, the rest of the electrical safety components and the internal structure of the main engine are all the same.		

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: 10 m³
 - 5) Machine setting: "The highest gear".

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 (%)
KY20200051-1	A/PR8/34 (H1N1)	1	2.85×10 ⁶	9.01×10 ⁵	68.39	1.33×10 ⁶	9.07×10 ³	97.84
		2	6.24×10 ⁶	2.26×10 ⁶	63.78	6.24×10 ⁶	1.33×10 ⁵	94.12
		3	1.33×10 ⁶	4.22×10 ⁵	68.27	1.33×10 ⁶	1.33×10 ⁴	96.85

*** End of report***

Editor

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Date Reported



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