

## **Air Cleaner Test Report**

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30days only. This document cannot be reproduced except in full, without prior approval of the Company.

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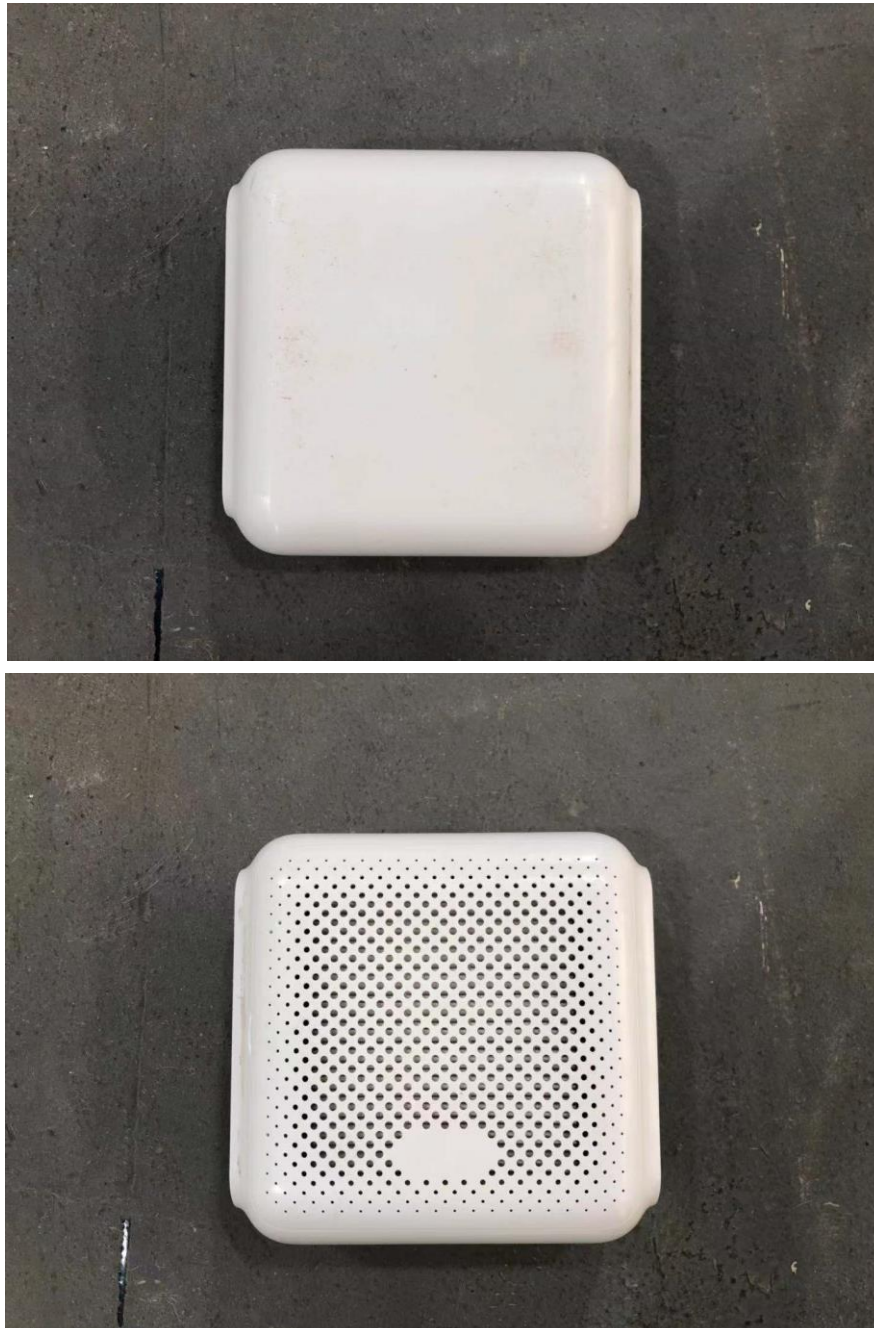
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## 1. Sample Description

Product	: Air Cleaner
Brand Name	: b-MOLA
Model(s)	: IA10
No. of Sample Received	: 1
Test Date	: 26 Nov 2019
Test Standard(s)	GB 21551.3-2020
Test Item(s)	: 1. Bacteria Removal Efficiency <ul style="list-style-type: none"><li>- Staphylococcus Albus (8032)</li><li>- Staphylococcus Aureus (ATCC 6538)</li></ul> 2. Virus Removal Efficiency <ul style="list-style-type: none"><li>- Bacteriophage (Phi-X174)</li></ul>
Test Result	: See the attached sheets
Remark	: This report refers to test report published by Guang Zhou Institute of Microbiology (Report Number: KY20190131) Client claimed that model IA10 same as BM10. Only difference is the selling platform.

2. Detail Description of the sample(s)



**b-MOLA/IA10**



**NCCO Reactor and Normal White HEPA**



### 3. Result of Bacteria Removal Efficiency

Test Duration (min)		Bacteria Under Test		
120		Staphylococcus Albus (8032)		
Reference Group				
Sample Number	Initial Average Bacteria Conc.	Final Average Bacteria Conc.	Natural Decay Rate	
	$V_0$ (cfu/m <sup>3</sup> )	$V_t$ (cfu/m <sup>3</sup> )	(%)	
1	$1.13 \times 10^5$	$7.55 \times 10^4$	33.19	
2	$1.18 \times 10^5$	$8.23 \times 10^4$	30.25	
3	$1.08 \times 10^5$	$7.17 \times 10^4$	33.61	
Test Group				
Sample Number	Initial Average Bacteria Conc.	Final Average Bacteria Conc.	Removal Efficiency	
	$V_1$ (cfu/m <sup>3</sup> )	$V_2$ (cfu/m <sup>3</sup> )	(%)	
1	$1.15 \times 10^5$	14	99.98	
2	$1.20 \times 10^5$	7	99.99	
3	$1.11 \times 10^5$	14	99.98	
Average			99.98	

Remark

1. For detail test procedure, please refer to the original test report published by Guang Zhou Institute of Microbiology.
2. Removal efficiency have already considered the natural decay of specified bacteria.



Test Duration (min)		Bacteria Under Test		
120		Staphylococcus Aureus (ATCC 6538)		
Reference Group				
Sample Number	Initial Average Bacteria Conc.	Final Average Bacteria Conc.	Natural	
	$V_0$ (cfu/m <sup>3</sup> )	$V_t$ (cfu/m <sup>3</sup> )	Decay Rate (%)	
1	$1.22 \times 10^5$	$7.48 \times 10^4$	38.69	
2	$1.25 \times 10^5$	$7.94 \times 10^4$	36.48	
3	$1.14 \times 10^5$	$7.17 \times 10^4$	37.11	
Test Group				
Sample Number	Initial Average Bacteria Conc.	Final Average Bacteria Conc.	Removal	
	$V_1$ (cfu/m <sup>3</sup> )	$V_2$ (cfu/m <sup>3</sup> )	Efficiency (%)	
1	$1.27 \times 10^5$	7	99.99	
2	$1.18 \times 10^5$	7	99.99	
3	$1.11 \times 10^5$	14	99.98	
Average			99.99	

Remark

1. For detail test procedure, please refer to the original test report published by Guang Zhou Institute of Microbiology.
2. Removal efficiency have already considered the natural decay of specified bacteria.





#### 4. Result of Virus Removal Efficiency

Test Duration (min)		Virus Under Test	
120		Bacteriophage (Phi-X174)	
Reference Group			
Sample Number	Initial Average Virus Conc. $V_0$ (pfu/m <sup>3</sup> )	Final Average Virus Conc. $V_t$ (pfu/m <sup>3</sup> )	Natural Decay Rate (%)
1	$1.04 \times 10^5$	$5.89 \times 10^4$	43.37
2	$1.08 \times 10^5$	$5.97 \times 10^4$	44.54
3	$1.04 \times 10^5$	$5.55 \times 10^4$	46.63
Test Group			
Sample Number	Initial Average Virus Conc. $V_1$ (pfu/m <sup>3</sup> )	Final Average Virus Conc. $V_2$ (pfu/m <sup>3</sup> )	Removal Efficiency (%)
1	$1.01 \times 10^5$	42	99.93
2	$1.11 \times 10^5$	64	99.90
3	$1.02 \times 10^5$	49	99.91
Average			99.91

Remark

1. For detail test procedure, please refer to the original test report published by Guang Zhou Institute of Microbiology.
2. Removal efficiency have already considered the natural decay of specified virus.

\*\*\* End of Report \*\*\*