

## Test Report

No. : CY/2019/40415

Date : 2019/05/23

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SILICON VALLEY AIR EXPERT  
2100 WALSH AVE. STE B1, SANTA CLARA, CA, 95050

The following samples was/were submitted and identified by/on behalf of the applicant as :

Sample Submitted By : ANHUI BEIANG AIR TECH LTD.  
Sample Description : AIRDOG X5 AIR PURIFIER  
Style/Item No. : KJ300F-X5  
Manufacturer/Vendor : ANHUI BEIANG AIR TECH LTD.  
Country of Origin : CHINA  
Sample Receiving Date : 2019/04/26  
Testing Period : 2019/04/26 to 2019/05/16

=====  
Test Result(s) : Please refer to following pages.

  
Troy Chang / Manager - Tec  
Signed for and behalf of  
SGS TAIWAN LTD.  
Chemical Laboratory - Taipei



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## Test Result(s)

PART NAME No.1 : Performance Test

### Experiment test:

1. The product was set up in a 2.9m×1.4m×1.9m of test chamber as the client requested.
2. The Particulates were injected in the 2.9m×1.4m×1.9m chamber and made sure the PM<sub>2.5</sub> concentration be mixed and stabilized by the detector.
3. Monitoring the concentration of PM2.5 in air before turning on the product and after processing an hour later.

### Control test:

1. The test procedure was as same as experiment without putting the product, in order to understand the performance of the product in suppression effect of PM2.5.

Test Item(s)	Unit	Control test	Experiment test	Elimination ratio(%)
Fine Suspended Particulates(PM2.5)	µg/m <sup>3</sup>	1023	<1	>99.9

### Experiment test:

1. The product was set up in a 2.9m×1.4m×1.9m of test chamber as the client requested.
2. Analyzing the Total Bacteria Counts in air before and after processing an hour later.

### Control test:

1. The test procedure was as same as experiment without putting the product.  
In order to understand the performance of product in suppression effect of Total Bacteria Counts.

Test Item(s)	Unit	Control test	Experiment test	Elimination ratio(%)
Total Bacteria Counts	CFU/m <sup>3</sup>	4005	<6	>99.9

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## Experiment test:

1. The product was set up in a 2.9m\*1.4m\*1.9m of test chamber.
2. The test odor gas (individually by Formaldehyde odor) was injected in the 2.9m\*1.4m\*1.9m test chamber.
3. Monitor the odor concentration by gas detector while the concentration were mixed and stabilized.
4. To analyze the Formaldehyde in air before turning on the product and after processing 1 hour later.

## Control test:

1. The test procedure was as same as experiment without turning on the product, in order to understand the performance of the product in suppression effect of Formaldehyde.

Test Item(s)	Unit	Control test	Experiment test	Elimination ratio(%)
Formaldehyde	ppm	0.842	<0.001	>99.9

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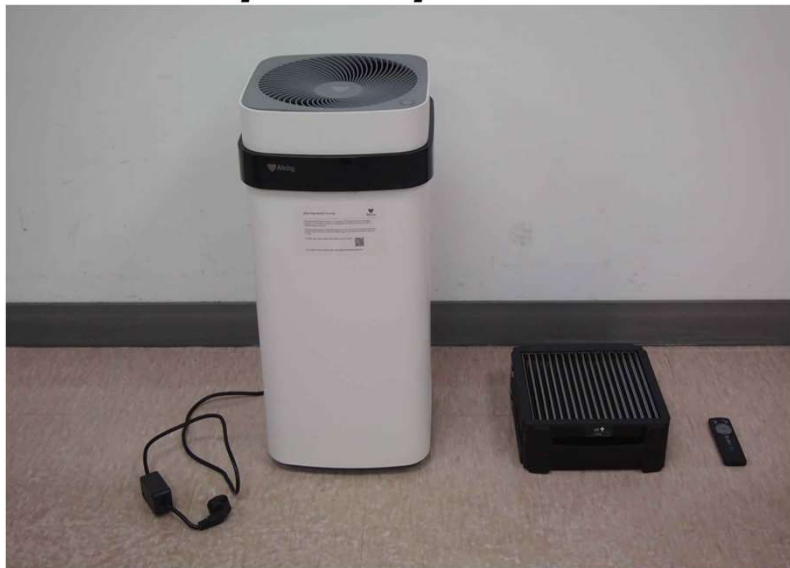
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\* The tested sample / part is marked by an arrow if it's shown on the photo. \*

### CY/2019/40415



\*\* End of Report \*\*