

TEST REPORT

No. : SZIN2305001120PL03_EN

Date : 2023-06-26

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scan to see the report



SZIN2305001120PL03

CUSTOMER NAME: JAFANDA LLC
ADDRESS: 1309 COFFEEN AVENUE STE 4304 SHERIDAN, WYOMING 82801
USA

Sample Name : Air Purifier
Product Specification : 120V 60HZ
Product or Lot No. : JF888
Manufacturer : JAFANDA LLC

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

Date of Receipt : 2023-05-31
Testing Period : 2023-05-31 ~ 2023-06-26
Test result(s) : For further details, please refer to the following page(s)
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for
SGS-CSTC Standards Technical
Services Co., Ltd. ShenZhen Branch.

Jessie Ho
Authorized signatory



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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center, Materials Laboratory.

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Test Item: Removal Rate (TVOC)

Standard and Methods: Referring to GB/T 18801-2022 Air cleaner and client's request

Method for Testing Gaseous Pollutant Removal:

1. Test Condition

- 1) Environment temperature: (23±2) °C
- 2) Environment humidity: (50±5) %RH.

2. Test Equipment

Test chamber (30 m³), constant current atmospheric sampler, gas chromatograph, VOC analyzer.

3. Running State of the Sample

Set the switch to position "The highest wind speed".

4. Test Procedure

- 1) Place the sample into the chamber according to the standard's requirements. Set the sample to the particular running state. Make sure the sample runs normally, and then turn off the sample.
- 2) Purify the air in the chamber with the air purification system. Make sure the background concentration of the pollutants reaches a particular level, and then turn on the temperature and humidity control device. Keep the temperature and humidity control device running until the temperature and the humidity reaches the standard's requirement.
- 3) A certain amount of gaseous pollutant is added into the chamber with the gaseous pollutant generator. Turn off the gaseous pollutant generator while the pollutant concentration reaches the standard's requirement.
- 4) Mix the gaseous pollutant for 10 min, and then turn off the stirring fan.
- 5) Test the initial concentration after the fan is stopped.
- 6) Turn on the Sample. Test the pollutant concentration after 120 min.
- 7) According to the step 1) ~ 6), test the natural decay without the sample.

5. Computational Formula

$$\text{Natural decay rate } N_t' (\%) = \frac{C_0' - C_t'}{C_0'} \times 100$$

where: C_0' = the initial concentration of control group; C_t' = the final concentration of control group

$$\text{Total decay rate } N_t (\%) = \frac{C_0 - C_t}{C_0} \times 100$$

where: C_0 = the initial concentration of test group; C_t = the final concentration of test group

$$\text{Removal rate } K_t (\%) = \frac{C_0 \times (1 - N_t') - C_t}{C_0 \times (1 - N_t')} \times 100$$



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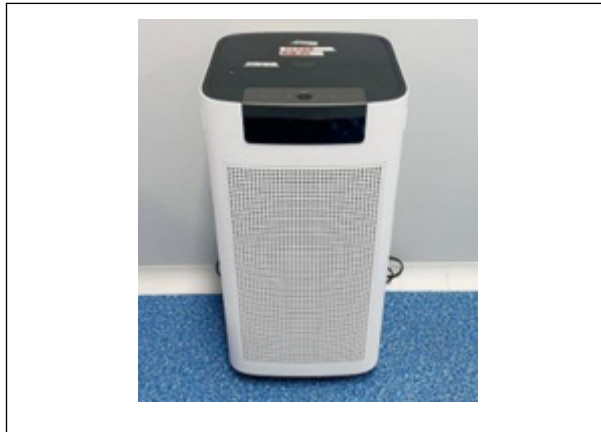
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Test Results

Number of Sample	Pollutant	Test Time (min)	Control Group		Test Group		Removal Rate K_t (%)
			Concentration C' (mg/m ³)	Natural Decay Rate N_t' (%)	Concentration C (mg/m ³)	Total Decay Rate N_t (%)	
KJ202301145-1	TVOC	0	6.12	—	6.15	—	—
		120	5.71	6.7	0.12	98.0	97.9

Note: TVOC components(benzene, toluene, n-butyl acetate, ethylbenzene, p-xylene, m-xylene, styrene, o-xylene, n-undecane)

Original Sample Photo:



Appendix information:

1. The above test has been subcontracted to the accredited laboratory.
2. The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

*****End of report*****



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