

Test No.KJ20170224

广州工业微生物检测中心

Guangzhou Testing Center of Industrial Microbiology

华南空气净化产品检测中心

South China Testing Center of Air Purification Products

检测报告

TEST REPORT



广州工业微生物检测中心

Guangzhou Testing Center of Industrial Microbiology

说 明

- 1、本报告只对来样检测数据负责，如有疑问，请向本中心业务部查询，来函来电请注明报告编号。
- 2、来样自完成检测之日起，本中心保存一个月，如因对分析结果有疑议提出复检，请在15个工作日内通知本中心业务部，逾期将自动视为承认检测报告。微生物检测不复检。
- 3、报告打“*”项目为还未通过广东省计量认证和中国合格评定国家认可委员会认可的能力范围内的项目。
- 4、本报告未加盖检测单位“检验检测专用章”无效，无签发人签名无效，涂改无效。
- 5、未经本中心书面批准，不得复制本报告。

EXPLANATION

- 1、The report is only responsible for the test date. If you have any question about the analysis result, please inquire for the Business Office of our center, and give us your report code.
- 2、From the day the test is completed, the sample will be preserved for a month in our center. Any disagreement of the test report should be fed back to the business department within 15 days upon receiving the report, After 15 days, the test result is treated as automatically accepted. we do not retest the microbe items.
- 3、The item marked with "*" in the report is the one which has not passed the Certification of Guang Dong Measurement Accrediation or China National Accreditaion Service for Conformity Assessment.
- 4、The report is invalid if altered, without the special Seal for Inspection and signitures of authorized signatory.
- 5、The report is prohibited from copying without written permission of our center.



中国认可
国际互认
检测
TESTING
CNAS L0823



2015191101Z

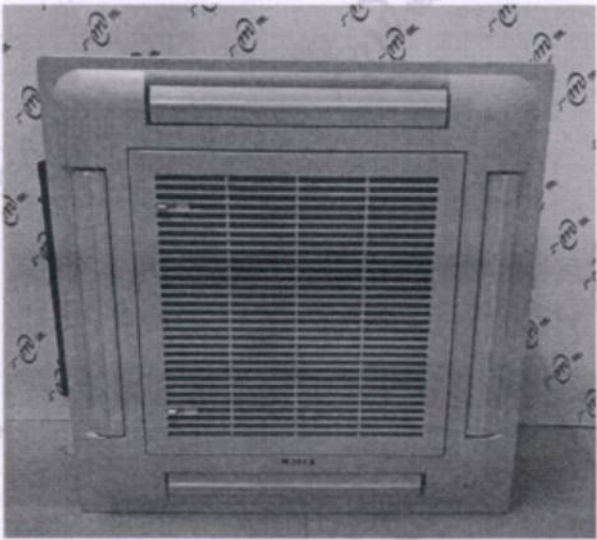
Test No.KJ20170224

GUANGZHOU TESTING CENTER OF INDUSTRIAL MICROBIOLOGY

TEST REPORT

Date Received: March 16, 2017

Date Analyzed: March 21, 2017

Name of Sample	Ceiling-mounted air purifier	Source of Sample	Delivery
Applicant	AirQuality Technology (shanghai) Co., Ltd.	Client	Wang Haifan
Manufacturer	AirQuality Technology (shanghai) Co., Ltd.	Brand	—
Type and Specification	FSA550M-A	Quantity of Sample	1PC
Date of Production	—	State of Sample	Machine
Batch Number	—	Packing of Sample	In box
Sample Picture			
Standard and Methods	GB/T 18801-2015 Air cleaner		
Items of Analysis	1. CADR (Formaldehyde) 2. Cleaning Energy Efficiency (Formaldehyde) 3. Input Power		
Remarks	Testing with the filter 2#.		

Blank Below



中国认可
国际互认
检测
TESTING
CNAS L0823



Test No.KJ20170224

GUANGZHOU TESTING CENTER OF INDUSTRIAL MICROBIOLOGY

TEST REPORT

Date Received: March 16, 2017

Date Analyzed: March 21, 2017

Method for Testing Gaseous Pollutant Removal:

1. Test Conditions
 - 1) Environment temperature: $(25 \pm 2) ^\circ\text{C}$
 - 2) Environment humidity: $(50 \pm 10) \% \text{RH}$.
2. Test Equipment
Test chamber (30 m^3), constant current atmospheric sampler, UV-VIS spectrophotometer.
3. Operation Conditions of the Machine
Set the switch to position "the high wind speed".
4. Test Procedures
 - 1) Place the air cleaner to be tested in the chamber according to the requirements of standard and set the air cleaner controls to the conditions for test. Test for proper operation, then shut off with switch external to test chamber.
 - 2) Using the chamber HEPA filter, allow the test chamber air to clean until the background pollutants reaches a level. Simultaneously operate the environment control devices until the room conditions (temperature and RH) reach a specified state. Turn off the chamber environmental control system (HEPA filter and humidifiers).
 - 3) A certain amount of gaseous pollutant is added into the chamber using the gaseous pollutant generator. After the initial concentration reaches the requirements of standards, close the generator.
 - 4) Mix the gaseous pollutant for 10 min, then turn off ceiling mixing fan.
 - 5) Wait for fan to stop, the initial concentration of sample is gathered.
 - 6) Turn on air cleaner. Respectively collect samples at 2 min, 5 min, 8 min, 11 min, 14 min, etc.
 - 7) According to the step 1) ~ 6), turn off air cleaner, test the natural decay.
 - 8) Air cleaner should let stand for at least 24 h between two tests, CADR of the third test as the final result.

Note 1. Before the test, the air cleaner is to commissioning at least 1 h.

Note 2. The sample concentration under the limit value of national standard GB/T 18883 or other relevant regulations should be invalid.

Note 3. If the valid data points less than six, porous cross of sampling can be used.

5. Computational Formula

$$\text{CADR} (\text{m}^3/\text{h}) = 60 \times (k_e - k_n) \times V$$

Where: k_e = total decay constant; k_n = natural decay constant; V = volume of the test chamber, m^3

Test Results

Number of Sample	Pollutant	Natural decay constant k_n (min^{-1})	Total decay constant k_e (min^{-1})	CADR (m^3/h)	Cleaning energy efficiency η [$\text{m}^3/(\text{h} \cdot \text{W})$]	Cleaning energy efficiency grade
KJ20170224-1	Formaldehyde	0.0011	0.1388	247.9	4.01	High-efficiency grade

Note: High-efficiency grade: $\eta_{\text{formaldehyde}} \geq 1.00$

Qualified grade: $0.50 \leq \eta_{\text{formaldehyde}} < 1.00$

Blank Below



中国认可
国际互认
检测
TESTING
CNAS L0823



Test No.KJ20170224

GUANGZHOU TESTING CENTER OF INDUSTRIAL MICROBIOLOGY TEST REPORT

Date Received: March 16, 2017

Date Analyzed: March 21, 2017

Method for Testing Power:

1. Test equipment
Power measuring instrument
2. Test conditions
 - 1) Ambient temperature: 24.2 °C
 - 2) Ambient humidity: 53 %RH.
3. The working status of the machine
Set the switch to position: "The high wind speed".
4. Test procedures
 - 1) Connecting the power and air purifier by power tester, stable in standby mode for at least 10 min after testing the standby power.
 - 2) Connecting the power and air purifier by power tester, stable under rated condition for at least 30 min after testing the input power.

Test Results

Number of Sample	Input Power (W)
KJ20170224-1	61.8

Blank Below

Editor

黄永良

Checker

王平

Issuer

李少华

Date Reported

2017.4.24
检验检测专用章

简介

广州工业微生物检测中心（广工微）是广州市科技创新委员会属下的具有独立事业法人资格的检测服务机构（第三方）。中心依托广州市微生物研究所雄厚的科研实力，经过几十年的发展，已经构建起完备的微生物、理化检测平台。中心于1998年通过了计量认证（CMA），2003年通过了中国合格评定国家认可委员会实验室认可（CNAS），2011年通过了食品检验机构资质认定（CMAF），2014年获得广东省公共场所卫生检验检测、评价机构资质。中心管理体系符合ISO/IEC 17025的要求，出具的检测数据在亚太实验室认可合作组织（APLAC）和国际实验室认可合作组织（ILAC）内包括美国、欧盟、日本等60多个国家和地区相互认可，广泛应用于贸易出证、产品质量评价、成果鉴定作为公正数据，具有法律效力。

华南空气净化产品检测中心（华净检测）以广州工业微生物检测中心为依托单位，在本中心成立，承担着技术研发、产品优化、检测评价、标准修订、人才培养、学术交流等任务，为空气净化行业的发展提供技术配套与支撑，为众多相关企业解决技术难题，成为国内一个重要的空气净化产业技术支撑平台。

服务范围

- 环境
- 水质
- 药品
- 食品
- 化妆品
- 卫生用品
- 日化用品

检测项目

- ★ 公共场所检测评价
- ★ 室内环境检测、洁净室检测
- ★ 空气净化器性能检测
- ★ 生产环境卫生监控与分析
- ★ 微生物技术咨询、人员培训等业务
- ★ 食品、药品、化妆品等产品质量检测
- ★ 水质检测
- ★ 产品微生物污染分析与防治
- ★ 抗菌防霉产品检测评价
- ★ 消毒产品检测评价
- ★ 菌种鉴定

质量方针：公正、规范、准确、高效

广工微
华净检测

公正 · 规范 · 准确 · 高效

广州工业微生物检测中心

Guangzhou Testing Center of Industrial Microbiology

地 址: 广州市黄埔区科学城尖塔山路1号 邮政编码: 510663

电 话: (8620) 61302671, 61302801 传真: (8620) 61302680

网 址: <http://www.gtcim.com>

Address: No. 1 Jian Ta Shan Rd. Huang Pu District. Guangzhou

Postcode: 510663

Phone: (8620) 61302671, 61302801 Fax: (8620) 61302680

<http://www.gtcim.com>