


## Air Purifier Efficiency Test Report

Report Number 200916122GZU-001  
Test Laboratory Name / Address Intertek Testing Services Shenzhen Ltd. Guangzhou Branch  
Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No.7-2, Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China  
Applicant Name / Address Qierling (Beijing) Health Technology Co., Ltd.  
No 101-42/101-43 ( Dongsheng district ) , 9th Floor, No 1 Building, No 8th , Heiquan Road, Haidian District, Beijing City.  
Manufacturing Name / Address Same as applicant  
Same as applicant's address  
Product Air Purifier  
Brand Name   
Description The product covered by this report is a cord connected indoor used only Air Purifier.  
Model(s) (if applicable) KJ800F-S800  
Model Similarity NA  
Rated voltage (V) 220  
Rated frequency (Hz) 50  
Rated power (W) 90  
Date of receipt of sample(s) 15-Sep-2020  
Date of test 16-Sep-2020  
Sample Condition Prototype  
Test standard(s) or criteria(s) AHAM AC-1-2019  
Conclusion The result reported is beyond the maximum limits of measurability of the AHAM AC-1-2019 "Association of Home Appliance Manufacturers Method for Measuring Performance of Portable Household Electric Room Air Cleaners" Test Method  
Date of issue 28-Sep-2020  
Date of revision None

Prepared by:



Ben Deng  
Project Engineer



Approved by:



Oscar Lin  
Senior Project Engineer

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program. The test report only allows to be revised only within the report defined retention period unless standard or regulation was withdrawn or invalid. When determining the test result, measurement uncertainty has been considered.

**Test Method:**

Tests were performed in accordance with AHAM AC-1-2019 entitled "Association of Home Appliance Manufacturers Method for Measuring Performance of Portable Household Electric Room Air Cleaners". This standard method has defined limits of measurability. The practical limits of measurability are: Dust 10 to 400 CADR, Tobacco smoke 10 to 450 CADR and Pollen 25 to 450 CADR. The statistical validity of test results outside of the stated practical limits is questionable and unevaluated. Clean Air Delivery Rates (CADR's) were determined using Tobacco Smoke, AC Fine Test Dust, and Paper Mulberry Pollen.

Additional requirements for energy taken from IEC 62301 Ed. 2 entitled, "Household Electrical Appliances – Measurement of Standby Power".

Monitored particle size ranges for the three particulates were as follows:  
Smoke - 0.10-1.0 microns; Dust - 0.5-3 microns; Pollen - 5-11 microns.

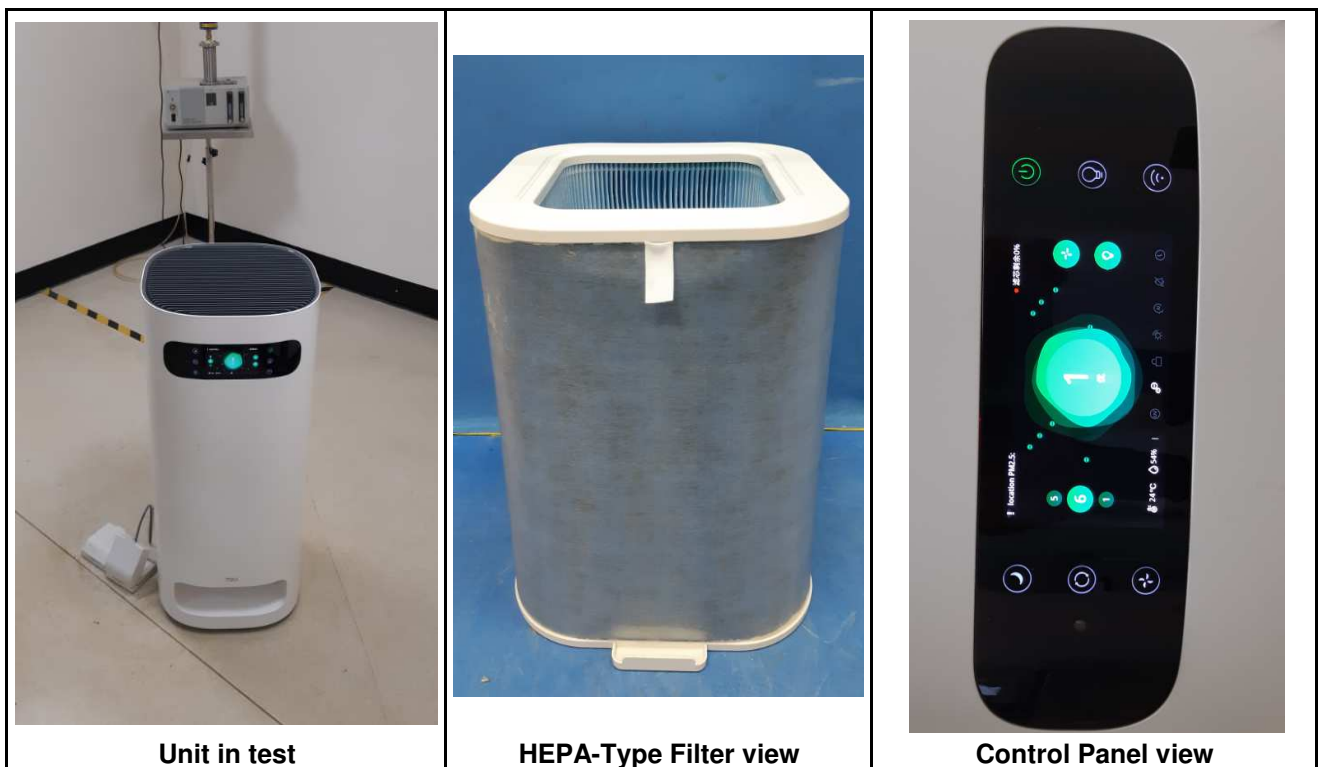
**Test Equipment List:**

Equipment Name	Type	Number	Calibration Date	Due Date
Laser Aerosol Spectrometer	3340	SA016-23-04	2020/5/26	2021/5/25
Aerodynamic Particle Sizer	3321	SA016-23-05	2020/1/13	2021/1/12
Fluidized Bed Aerosol Generator	3400A	SA016-23-05	2020/6/10	2021/6/9
Air Cleaner testing Chamber		SA016-23	2020/6/10	2021/6/9

**Device Under Test Description:**

The device(s) tested for this report were/was Model KJ800F-S800

The following device settings were used during testing: 220V/50Hz, High Speed 6, Tested on the Floor



**Results of Performance Tests:**

Model/Configuration	Test Particulate	Natural Decay Rate	CADR (FT <sup>3</sup> /Min)	CADR STDEV	Power (W)
KJ800F-S800, S200916122-001 220V/50Hz, High Speed 6 Tested on the Floor	Smoke	NA	NA	NA	NA
	Dust	NA	NA	NA	NA
	Pollen	0.11811	>450	28.9	93.9

**Conclusion:**

The result reported is beyond the maximum limits of measurability of the AHAM AC-1-2019 "Association of Home Appliance Manufacturers Method for Measuring Performance of Portable Household Electric Room Air Cleaners" Test Method.

**Revision Summary**

Date/ Proj # Site ID	Project Handler/ Reviewer	Item	Description of change
			None

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