

## Air Purifier Efficiency Test Report

Report Number	180522023GZU-008b
Test Laboratory Name / Address	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
Applicant Name / Address	Nuwave, LLC. 1795 N. Butterfield Rd. Libertyville IL 60048 USA
Manufacturing Name / Address	Guangdong Jiangxin Technology Co.,Ltd. Dahangtou of 6, Daliang damen shaweiteam, Shunde, Foshan, Guangdong, China
Product	Air Purifier
Brand Name	Nuwave Oxypure
Description	The product covered by this report is a cord connected indoor used only Air Purifier.
Model(s) (if applicable)	470XX ("XX" may be any Numbers, represent different colors or filter accessories)
Model Similarity	All models are identical except for the colors or sale with additional filter for replacement.
Rated voltage (V)	120
Rated frequency (Hz)	60
Rated power (W)	125
Date of receipt of sample(s)	22-May-18
Date of test	From May 24, 2018 to June 26, 2018
Test standard(s) or criteria(s)	ANSI/AHAM AC-1-2015 & Applicant's special requirement
Conclusion	No conclusion for this test report.
Date of issue	August 24, 2018

Prepared by:



Amit Li

Supervisor

Approved by:



Oscar Lin

Senior Project Engineer

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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test report only allows to be revised only within the report defined retention period unless standard or regulation was withdrawn or invalid.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.

**Photos:**



**Results of pollutants remove rate:**

**Test voltage:** 120V/60Hz

**Fan speed:** High speed

	Smoke			
	0.09µm	0.1µm	0.11µm	0.12µm
10Min	94.5629%	95.0095%	95.6727%	96.4064%
20Min	99.9424%	99.9141%	99.9204%	99.9251%
30Min	100.0000%	99.9905%	99.9901%	99.9942%
40Min	100.0000%	99.9905%	100.0000%	100.0000%
50Min	100.0000%	99.9905%	100.0000%	100.0000%
60Min	100.0000%	100.0000%	100.0000%	100.0000%
70Min	—	—	—	—
80Min	—	—	—	—
90Min	—	—	—	—
100Min	—	—	—	—
110Min	—	—	—	—
120Min	—	—	—	—

	Smoke				
	0.13µm	0.14µm	0.15µm	0.16µm	0.17µm
10Min	96.8027%	97.0656%	97.5859%	97.6454%	97.7987%
20Min	99.9159%	99.9632%	99.9368%	99.9822%	99.9738%
30Min	99.9860%	100.0000%	100.0000%	99.9822%	100.0000%
40Min	99.9930%	100.0000%	100.0000%	100.0000%	100.0000%
50Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
60Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
70Min	—	—	—	—	—
80Min	—	—	—	—	—
90Min	—	—	—	—	—
100Min	—	—	—	—	—
110Min	—	—	—	—	—
120Min	—	—	—	—	—

**Results of pollutants remove rate:**

**Test voltage:** 120V/60Hz

**Fan speed:** High speed

	Smoke				
	0.18µm	0.19µm	0.2µm	0.3µm	
10Min	97.7843%	98.2982%	98.1013%	96.0000%	—
20Min	99.9164%	100.0000%	99.8945%	100.0000%	—
30Min	100.0000%	100.0000%	100.0000%	100.0000%	—
40Min	100.0000%	100.0000%	100.0000%	100.0000%	—
50Min	100.0000%	100.0000%	100.0000%	100.0000%	—
60Min	100.0000%	100.0000%	100.0000%	100.0000%	—
70Min	—	—	—	—	—
80Min	—	—	—	—	—
90Min	—	—	—	—	—
100Min	—	—	—	—	—
110Min	—	—	—	—	—
120Min	—	—	—	—	—

	Dust				
	0.5µm	0.6µm	0.7µm	0.8µm	0.9µm
10Min	94.0728%	93.8503%	93.9413%	94.2564%	94.1248%
20Min	99.4920%	99.6906%	99.6770%	99.5636%	99.7214%
30Min	99.8307%	99.8453%	99.9096%	99.8703%	99.9273%
40Min	99.9153%	99.9226%	99.9225%	99.9174%	99.9273%
50Min	99.9577%	99.9613%	99.8837%	99.9528%	99.9515%
60Min	99.9577%	99.9613%	99.9483%	99.9410%	99.9515%
70Min	99.9577%	99.9613%	99.9742%	99.9764%	99.9515%
80Min	100.0000%	100.0000%	100.0000%	99.9882%	99.9515%
90Min	100.0000%	100.0000%	100.0000%	99.9882%	99.9758%
100Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
110Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
120Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%

**Results of pollutants remove rate:**

**Test voltage:** 120V/60Hz

**Fan speed:** High speed

	Dust				
	1.0µm	1.2µm	1.4µm	1.6µm	1.8µm
10Min	94.3487%	94.1227%	95.9748%	95.0617%	95.2045%
20Min	99.5953%	99.6096%	99.7200%	99.6101%	99.5769%
30Min	99.9550%	99.8482%	99.8950%	99.8051%	99.8590%
40Min	99.9250%	99.8699%	99.9650%	99.8051%	100.0000%
50Min	99.9550%	100.0000%	100.0000%	100.0000%	100.0000%
60Min	99.9700%	100.0000%	100.0000%	100.0000%	100.0000%
70Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
80Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
90Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
100Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
110Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
120Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%

	Dust				
	2.0µm	2.3µm	2.5µm	2.8µm	3.0µm
10Min	95.8071%	98.6239%	99.2000%	95.3488%	92.3077%
20Min	98.9518%	100.0000%	99.2000%	97.6744%	97.4359%
30Min	99.3711%	100.0000%	100.0000%	100.0000%	100.0000%
40Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
50Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
60Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
70Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
80Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
90Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
100Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
110Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
120Min	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%





Total Quality. Assured.

## Air Purifier Efficiency Test Report

Report Number	181217040GZU-001 draft
Test Laboratory Name / Address	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
Applicant Name / Address	Nuwave, LLC. 1795 N. Butterfield Rd. Libertyville IL 60048 USA
Manufacturing Name / Address	Zhongshan YiJiang Technology Co.,Ltd No.32 Jianye Road, Torch Development Zone, ZhongShan city, GuangDong Province, China
Product	Air Purifier
Brand Name	Nuwave Oxypure
Description	The product covered by this report is a cord connected indoor used only Air Purifier.
Model(s) (if applicable)	470XX ("XX" may be any Numbers, represent different colors or filter accessories)
Model Similarity	All models are identical except for the colors or sale with additional filter for replacement.
Rated voltage (V)	120
Rated frequency (Hz)	60
Rated power (W)	128
Date of receipt of sample(s)	17-Dec-2018
Date of test	25-Dec-2018
Test standard(s) or criteria(s)	ANSI/AHAM AC-1-2015 & Applicant's special requirement
Conclusion	No conclusion for this test report.
Date of issue	26-Dec-2018

Prepared by:

Approved by:

\_\_\_\_\_  
Ben Deng

Engineer

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Amit Li

Supervisor

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When determining the test result, measurement uncertainty has been considered.

**Photo(s):**

Photo 1 - Overview



Photo 2 - Filter(s)





**Results of pollutants remove rate:**

**Test voltage:** 120V/60Hz

**Fan speed:** High speed

Time	Pollen				
	5.048μm	5.425μm	5.829μm	6.264μm	6.732μm
10Min	100.00%	100.00%	100.00%	100.00%	97.44%
20Min	100.00%	100.00%	100.00%	100.00%	100.00%
30Min	100.00%	100.00%	100.00%	100.00%	100.00%
40Min	100.00%	100.00%	100.00%	100.00%	100.00%
50Min	100.00%	100.00%	100.00%	100.00%	100.00%
60Min	100.00%	100.00%	100.00%	100.00%	100.00%
70Min	100.00%	100.00%	100.00%	100.00%	100.00%
80Min	100.00%	100.00%	100.00%	100.00%	100.00%
90Min	100.00%	100.00%	100.00%	100.00%	100.00%
100Min	100.00%	100.00%	100.00%	100.00%	100.00%
110Min	100.00%	100.00%	100.00%	100.00%	100.00%
120Min	100.00%	100.00%	100.00%	100.00%	100.00%

Time	Pollen				
	7.234μm	7.774μm	8.354μm	8.977μm	9.647μm
10Min	100.00%	100.00%	99.18%	99.82%	99.89%
20Min	100.00%	100.00%	100.00%	100.00%	100.00%
30Min	100.00%	100.00%	100.00%	100.00%	100.00%
40Min	100.00%	100.00%	100.00%	100.00%	100.00%
50Min	100.00%	100.00%	100.00%	100.00%	100.00%
60Min	100.00%	100.00%	100.00%	100.00%	100.00%
70Min	100.00%	100.00%	100.00%	100.00%	100.00%
80Min	100.00%	100.00%	100.00%	100.00%	100.00%
90Min	100.00%	100.00%	100.00%	100.00%	100.00%
100Min	100.00%	100.00%	100.00%	100.00%	100.00%
110Min	100.00%	100.00%	100.00%	100.00%	100.00%
120Min	100.00%	100.00%	100.00%	100.00%	100.00%

**Results of pollutants remove rate:**

**Test voltage:** 120V/60Hz

**Fan speed:** High speed

Time	Pollen				
	10.37 $\mu$ m	11.14 $\mu$ m			
10Min	100.00%	99.82%	---	---	---
20Min	100.00%	100.00%	---	---	---
30Min	100.00%	100.00%	---	---	---
40Min	100.00%	100.00%	---	---	---
50Min	100.00%	100.00%	---	---	---
60Min	100.00%	100.00%	---	---	---
70Min	100.00%	100.00%	---	---	---
80Min	100.00%	100.00%	---	---	---
90Min	100.00%	100.00%	---	---	---
100Min	100.00%	100.00%	---	---	---
110Min	100.00%	100.00%	---	---	---
120Min	100.00%	100.00%	---	---	---

