TEST REPORT

Receipt No.

TSI-16-004-1

Company name

WINIX Corporation

Applicant address

: 295, Gongdan 1-daero, Siheung-si, Gyeonggi-do, Korea

Representative

Yoon Hee Jong

Presented sample name:

WINIX Air Purifier / Natural Humidifier/

Air Washer TRUE HEPA FILTER - QAHP093-10TH

Test item

Efficiency, Resistance

Test conditions

1) Testing equipment : Automated filter tester (TSI 8130)

2) Test method

: Modified 42 CFR part 84

3) Sample size

 $: 100 \text{ cm}^2$

4) No. of test

: 3

5) Flow rate

: 32 *l* /min

6) Test aerosol

: NaCl

7) Aerosol size

: 0.26 µm (Mass mean diameter)

Test Results

Test items	Results*
Efficiency (%)	99.988
Penetration (%)	0.012
Resistance (mmH ₂ O)	3.6



Use

: Analysis

Note

: This report should not be used for the purpose of propaganda, lawsuit and other legal requirements except for the defined use.

This is to certify that the test has been made for the commodities prepared by the applicant.

Date

January, 19, 2016

Certificated by

THE PRESIDENT OF THE KOREA IN INDUSTRIAL TECHNOLOG



This test report may not be valid when certain unexpected conditions are occurred.(e.g. over-temperature, over-humidity, etc)



^{*}Results are average values

Automated Filter Tester (TSI 8130)

KITECH

Operator:

KITECH

Date:

2016-01-19

No.:

TSI-16-004-1

FILTER DATA:

Company: WINIX Corporation

Product name: Air Washer TRUE HEPA FILTER-QAHP093-

10TH

Type: Air filter media

Material:

TEST CONDITIONS:

Aerosol: NaCl

Flow rate [l/min]: 32

Temperature [°C]: 15.8

Face velocity [cm/s]: 5.33

Rel. humidity [%]: 40.5

TEST RESULTS:

Efficiency [%]:

99.988

Penetration [%]:

0.012

Resistance [mmH2O]:

3.6

Number	Efficiency [%]	Penetration [%]	Resistance [mmH2O]
1	99.988	0.012	3.5
2	99.990	0.010	3.7
3	99.987	0.013	3.6

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TEST REPORT

Receipt No. : TSI-16-004-2

Company name : WINIX Corporation

Applicant address : 295, Gongdan 1-daero, Siheung-si, Gyeonggi-do, Korea

Representative : Yoon Hee Jong

Presented sample name: WINIX Air Purifier / Natural Humidifier / Air Washer Anti-microbial

TRUE HEPA FILTER-QAHP093-10TH(H1N1-Or)

Test item : Efficiency, Resistance

Test conditions

1) Testing equipment : Automated filter tester (TSI 8130) 2) Test method : Modified 42 CFR part 84

3) Sample size : 100 cm²
4) No. of test : 3
5) Flow rate : 32 ℓ/min

6) Test aerosol : NaCl

7) Aerosol size : 0.26 µm (Mass mean diameter)

Test Results

Test items	Results*
Efficiency (%)	99.979
Penetration (%)	0.021
Resistance (mmH ₂ O)	3.1



*Results are average values

Use : Analysis

Note : This report should not be used for the purpose of propaganda, lawsuit and other legal requirements

except for the defined use.

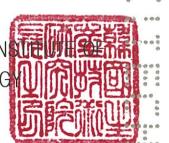
This is to certify that the test has been made for the commodities prepared by the applicant.

Date January, 19, 2016

THE PRESIDENT OF THE KOREA IN

Certificated by

INDUSTRIAL TECHNOLOG



* This test report may not be valid when certain unexpected conditions are occurred.(e.g. over-temperature, over-humidity, etc)



Automated Filter Tester (TSI 8130)

KITECH

Operator:

KITECH

Date:

2016-01-19

No.:

TSI-16-004-2

FILTER DATA:

Company: WINIX Corporation

Product name: WINIX Air Purifier / Natural Humidifier /

Air Washer Anti-microbial TRUE HEPA FILTER-

QAHP093-10TH(H1N1-Or)

Type: Air filter media

Material:

TEST CONDITIONS:

Aerosol: NaCl

Flow rate [l/min]: 32

Temperature [°C]: 15.8

Face velocity [cm/s]: 5.33

Rel. humidity [%]: 40.5

TEST RESULTS:

Efficiency [%]:

99.979

Penetration [%]:

0.021

Resistance [mmH2O]:

3.1

H2O]	Resistance [mml	Penetration [%]	Efficiency [%]	Number
3.0		0.019	99.981	1
3.1	*10009	0.021	99.979	2
3.1	a	0.024	99.976	3

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