Test Report

An air conditioner equipped with nanoe™ X reduces cigarette smoke odour intensity by 1.8 levels in 0.2 hours

Test outline

(1) Testing organisation: SGS
(2) Test subject: Adhered cigarette smoke odour
(3) Test volume: Approx. 23m³ laboratory (3.64×2.73×2.4m)
(4) Test result: Odour intensity reduced 1.8 levels in 0.2 hours
(5) Report No.: SHES160600431171

Test ambient

Approx. 23m³

Test result

Cigarette smoke odour

6-Level odour intensity

Intensely disagreeable
Strong
 Immediately noticeable
 Minimally identifiable
Hardly noticeable
Odourless

60 90 30 120 [min.]

Natural reduction

An air conditioner equipped with nanoe™ X reduces cigarette smoke odour intensity by 1.8 levels in 0.2 hours

Appliances Company Panasonic Corporation
Testing Report

Report No.: SHE6160600431171-4-1-4
Date: 2020-08-04

Product name: nano e X
(Refer to Appendix for details on specific commodity models carried by the device)

Applicant: Panasonic Corporation of China Co., Ltd. Shanghai Branch
Address: 7th Floor, Hongkou SOHO, No. 575 Wusong Road, Hongkou District, Shanghai

Testing place: Panasonic Product Analysis Center/KANAZAWA University NM Research Laboratory

Report issue date: 2020-08-04

Test Related instruction
Note: According to the results of test items 1, 2, 3, 4, 5 in the report SHE6160600431171-3-1-4, it is confirmed that nano e X, 16X, 17X, 18X, 19X and 20X are of the same nature.

Test Requirement and result

Test items requested by the customer
1. Deodorization effect of nano e X
Test conclusion: Nano e X produces remarkable effect upon odor removal.
   Test conclusion: The difference of Cigarette odor intensity with blank is 1.5 or more after 12 minutes. Compared with the data of nano e in report number SHE6160600431171-2-1-1(The difference of Cigarette odor intensity with blank is 1.5, after 120 minutes), The deodorizing speed of Cigarette Odors of nano e X is 10 times that of nano e.

2. Bacteria inactivation effect of nano e X
Test conclusion: Bacteria inactivation rate of nano e X (staphylococcus aureus) is 99.91%.
   Test conclusion: Compared with the data of nano e in report number SHE6160600431171-2-1-1(Bacteria inactivation rate is 99.76%), The inactivation effect of nano e X is much more effective than that of nano e.

3. Allergen inactivation effect of nano e X
Test conclusion: nano e X produces remarkable inactivation effect of Allergen
   Test conclusion: The inactivation of pollen allergen, achieving 99.1% inactivation percentage. Compared with the data of nano e in report number SHE6160600431171-2-1-1(The inactivation of pollen allergen, achieving 87.4% inactivation percentage), The inactivation effect of nano e X is much more effective than that of nano e.

4. Mold inactivation effect of nano e X
Test conclusion: Nano e X produces a remarkable inactivation effect on mold.
   Test conclusion: Compared with the data of nano e in report number SHE6160600431171-2-1-1 (8-hour attenuation), The inactivation time by nano e X is 2 times earlier than that by nano e.

5. Effect of nano e X upon on hair settlement
Test conclusion: nano e X treated hair is more smooth and hangs down more easily.