

TEST REPORT

1. No : CT15-119133

Reissuance (R1)

2. Client

Date : 2015.12.14

○ Name : Gwellkorea. Co., Ltd.

○ Address : 3F, 64 Yeonsuwon-ro, Danwon-gu, Ansan-shi, Gyeonggi-do, Korea

3. Date of Test : 2015.11.11 ~ 2015.12.14

4. Use of Report : Quality Control

5. Test Sample : Sterilize air purifier (UPI Device)

6. Test Method

(1) Client's requirement method

| | | | | |
|--|------------------------|------------|-----------------------|-----------------------|
| Affirmation | Tested By | JKS | Technical Manager | <i>Kim Sang Cheol</i> |
| | Name : Kye Seung Chang | | Name : Kim Sang Cheol | |
| <p>Our report apply only to the standards or procedures identified and to the sample(s) tested unless otherwise specified. The test results are not indicative of representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products.</p> | | | | |

2015.12.14

Korea Conformity Laboratories

President Kyung Sik Ki

Kyung Sik Ki

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Result Inquiry : The Center of Green Complex Technologies 82-31-389-9184

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7. Test Results

| Test Items | | Test Results | | | Test method | Testing Environment |
|--------------------------------------|-------------------------------------|-------------------------------|------------------------------|-------------------------------|-----------------------------|-------------------------------------|
| | | Before operating Conc.(CFU/㎥) | After operating Conc.(CFU/㎥) | Reduction rate of bacteria(%) | | |
| Reduction test for Airborne microbes | Sterilize air purifier (UPI Device) | 1.3×10^4 | < 10 | 99.9 | Client's requirement method | (23.0 ± 0.3) °C (49.8 ± 2.0) %RH |

※ CFU : Colony Forming Unit

※ Test strain : *Escherichia coli* ATCC 25922

※ Chamber size : 8 ㎥

※ Measurement equipment : MAS-100 NT (MERCK, Flow rate : 100 L/min)

※ Sample : Sterilize air purifier (UPI Device)

※ Operating time : 8 hours

※ Result concentration : Feller Conversion Table application

※ Client's requirement method : After injecting a constant concentration of target bacteria inside the test chamber and operating the sample for 8 hours, measure the reduction rate of bacteria.

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<Picture 1. *Escherichia coli* - BLANK (0 h)>



<Picture 2. *Escherichia coli* - Sterilize air purifier (UPI Device) (8 h)>

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<Picture 3. Sample[Sterilize air purifier (UPI Device)]>

----- End of Report -----