

Test Report

REPORT NO: US/2019/40503

Date: 2019/05/21

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INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE

NO. 195, SEC. 4, CHUNG HSING RD., CHUTUNG, HSINCHU, TAIWAN 310, R. O. C.

The following sample(s) was/were submitted and identified by/on behalf of applicant as:

Sample Name : LUFTQI Air Purifier

Applicant : INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE

Date of Received: 2019/04/25

Date of Testing: 2019/04/25 to 2019/05/21

Test Requested : Airborne bacteria counts in air (*S. aureus*)

Test Method: Control test- The test procedure was as same as experiment without putting the sample.
Experiment test- Evenly sprayed around 10^7 CFU bacteria solution to $1m^3$ chamber. Turning on the sample and analyzing the airborne bacteria counts in air before and after processing 0.5 & 1 hour later.

Test Results: -Please refer to next page(s)-

Signed for and on behalf of
SGS Taiwan Ltd.


Shin-Jyh Chen
Manager



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Test Results:

Control test:

Test Item	Original inoculum (CFU/m ³)	Contact time (hour)	Counts of the sample at contact time (CFU/m ³)
Airborne bacteria counts in air (<i>S. aureus</i>)	5.2×10 ⁷	0.0	4.7×10 ⁴
		0.5	2.0×10 ³
		1.0	1.4×10 ²

Experiment test:

Test Item	Original inoculum (CFU/m ³)	Contact time ()	Counts of the sample at contact time (CFU/m ³)	Elimination Rate (%)
Airborne bacteria counts in air (<i>S. aureus</i>)	5.2×10 ⁷	0	8.1×10 ⁴	---
		0.5	3.2×10 ²	90.8%
		1.0	2.0×10 ¹	99.4%

NOTE :

1. The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.

2. The content of this report is invalid if it is not presented as the entire report.

- END -

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Sample Photo



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