

COVID-19 TEST REPORT

Efficacy test for sanitizing device against CORONAVIRUS

JEONBUK NATIONAL UNIVERSITY
INDUSTRY-ACADEMIC JOINT RESEARCH

Test period: 2020.06.01 - 2020.07.08

Report No.: 2010000641

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Company: CLEARWIN KOREA Co., Ltd

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* Test goal

Evaluation of the efficacy of the virus sanitizer device commissioned by CLEARWIN KOREA
 Co.,Ltd. in an in-vitro Environment.

Sample name : Escalator Handrail Sanitizer

TEST RESULTS(1/3)		
UV reaction times	log10TCID50/ml	UV reaction times/virus removal efficiency (%)
Unreacted	7.50	CLEARW
1 time	6.50	90%
10 times	3.33	>99.99%
20 times	<0.5	>99.99%
30 times	32/0/<0.5	>99.99%

* Test condition

- As a result of the virus cell culture test, the dilution rate in which virus inactivation was confirmed becomes an effective concentration. In this case, the effective inactivation ability of the disclosed virus becomes the average value of the best results repeated 3 times.
- Through this experiment, it was confirmed that the CORONAVIRUS has been sanitized by more than 99.99% when the CLEARWIN KOREA UV-C sanitizer device exposes the virus to the UV-C light for 0.7 second more than 10 times. (7 seconds in total)
- This particular test is the first one out of three total tests. From the 3 tests, the virus removal rate after just one revolution resulted in 90%, 68%, and 78% respectively. All three tests had the same results where after 10 revolutions, it had 99.99% sanitation rate.

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Attested by Notary Public

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