

Clearwin UV-C Escalator Handrail Sanitizer Eliminates 99.99% of Coronavirus

Boca Raton, FL company ClearwinUS, Inc. named authorized distributor for the United States

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Clearwin UV-C Escalator Handrail Sanitizer proven to eliminate 99.99% of COVID-19; ClearwinUS, Inc. named United States distributor

Clearwin Korea Company's innovative escalator handrail sanitizer-- which is being used to combat COVID-19 in hotels, airports, stadiums, office buildings, shopping malls, cruise ships, metro centers and other facilities that use escalators and moving walkways -- has been proven to eliminate 99.99%* of the COVID-19 virus. The tests were conducted by Jeonbuk National University in South Korea*.

The Clearwin device incorporates the germicidal power of short wavelength UV-C light to kill bacteria and viruses by breaking apart their DNA. It sanitizes by using the handrail passing through the unit to drive an internal generator which powers the low voltage UV-C sanitizing lights to disinfect the top and sides of the handrail. It does not require any external power. Installation takes about 20 minutes after the initial learning curve.

The Clearwin sanitizer, which incorporates seven proprietary UV-C lamps, is an innovative South Korea and US-patented device that costs pennies a day to run and is eco-friendly, avoiding the need for harmful cleaning chemicals that damage the handrail from outdated ways of sanitization and providing significant savings over the cost of manually sanitizing and requires very little maintenance.

"The Clearwin escalator handrail sanitizer has set a new standard towards a cleaner and greener



COVID-19 TEST REPORT
Efficacy test for sanitizing device against CORONAVIRUS

JEONBUK NATIONAL UNIVERSITY
INDUSTRY-ACADEMIC JOINT RESEARCH

Report No.: 2010000641
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Company : CLEARWIN KOREA Co., Ltd
Address : #703, 88 Jeonpa-ro, Dongan-gu, AnYang city, Gyeonggi province, Republic of Korea

Test period : 2020.06.01 – 2020.07.08

* 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	log ₁₀ TCID ₅₀ /ml	UV reaction times/virus removal efficiency (%)
Unreacted	7.50	
1 time	6.50	90%
10 times	3.33	>99.99%
20 times	<0.5	>99.99%
30 times	<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%, 85%, 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 Kwangsu Yoo (2021)
Head of subjective research

Covid-19 efficacy Sanitizer test result, South Korea

environment, particularly important at this time of unprecedented demand for optimum cleanliness. Passengers using escalators can see for themselves that operators are thinking of their safety.” the Company said. [BBC interview with inventor Mr. Kim Kyeong Yeon: https://www.bbc.com/news/business-54628433](https://www.bbc.com/news/business-54628433)

ClearwinUS, Inc. has been named national distributor for the United States by Seoul-based Clearwin Korea Co., Ltd. The agreement covers the entire United States.

More than 50,000 units have sold worldwide across the United States, Europe, Asia, and the Middle East since the pandemic began.

Interested sales agents in the USA can contact Clearwin at: sales@clearwinUS.com

For additional information on the Clearwin UV-C Escalator Handrail Sanitizer, please visit our website at www.ClearwinUS.com and ClearwinUAE.com

* Kwangsu, Y (2020) efficacy test for antiseptic device against Covid, Jeonju. Clearwin

Attachments: Covid-19 efficacy test report Jeonbuk National University

Link to BBC interview with inventor Mr. Kim Kyeong Yeon: <https://www.bbc.com/news/business-54628433>

“

Clearwin escalator handrail sanitizer users set the standard for cleaner handrails during this unprecedented demand in hygiene. This shows passengers that their health and safety is being considered.”

Mr. Kim Kyeong Yeon

Ernest Edwards



Clearwin UV-C Escalator Handrail Sanitizer installed at Syracuse Hancock International Airport

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