

# TEST REPORT

98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Korea

TEL 82-2-2164-0011

FAX 82-2-2634-1008

Report No : TBK-2024-010436

Receipt Date : 2024.10.28.

Representative : Choi Heung Bae

Test Completion Date : 2024.11.26.

Company name : Haenim Co., Ltd.

Address : 15, Saryeom-ro 21beon-gil, Seo-gu, Incheon, Republic of Korea

Sample name : Haenim UV LED Bottle Sterilizer

## Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Bactericidal test( <i>E. coli</i> )	Log reduction	-	> 5.04	Client Provided Test method

- Next Page -

*Kim Kihwan*

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Tel : 02-2092-3959

*Jin-Sik Cho*

Reviewed by Jin-Sik Cho

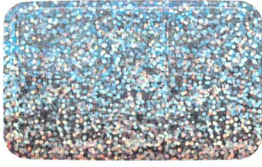
Tel : 1577-0091(ARS ①→④)

2024.11.26

## Korea Testing & Research Institute

President *Kim Hyun cheol*

QR Code for forgery



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\* Test conditions

- Carrier : Slide glass
- Position of carrier : Inner top center of the test article
- Operating condition : UV mode
- Reaction time : 10 minutes

\*\* Test strain

- *Escherichia coli* ATCC 25922

\*\*\* Log reduction(LR) =  $\log(A) - \log(B)$

- A : log of viable cells in the control group (pre-operating)
- B : log of viable cells in the test group (post-operating)

\*\*\*\* Percent reduction (%) =  $100 \times (1 - 10^{-LR})$

\*\*\*\*\* Interpretation of the results

- log reduction  $\geq 1$ :  $\geq 90\%$
- log reduction  $\geq 2$ :  $\geq 99\%$
- log reduction  $\geq 3$ :  $\geq 99.9\%$
- log reduction  $\geq 4$ :  $\geq 99.99\%$
- log reduction  $\geq 5$ :  $\geq 99.999\%$

Attachment: Test report

- Next Page -

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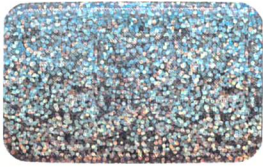
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- Usage of Report : QUALITY CONTROL

- Note :
- The test results of this test report are only limited in to the samples and sample names provided by the client and do not guarantee the quality of all products of the client. You Can check website ([www.ktr.or.kr](http://www.ktr.or.kr)) or QR code to verify the authenticity of the certificate.
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