



TEST REPORT

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

TEL 82-2-2164-0011

FAX 82-2-2634-1008

Report No : TBK-2019-007978

Receipt Date : 2019.11.19.

Representative : Choi Young Chul

Test Completion Date : 2020.01.09.

Company name : Silverex

Address : 115, Neungheodae-ro 577beon-gil, Namdong-gu, Incheon, Republic of Korea

Sample name : Silverspray 3

Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Antibacterial test(S. aureus)	Log reduction	After 6 hours	2.24	Client Provided Test Method
Antibacterial test(S. aureus)	Log reduction	After 18 hours	5.38	Client Provided Test Method
Antibacterial test(K. pneumoniae)	Log reduction	After 6 hours	5.52	Client Provided Test Method
Antibacterial test(K. pneumoniae)	Log reduction	After 18 hours	> 6.08	Client Provided Test Method

- Next Page -

Jin ho-hyun

Prepared by Jin ho-hyun

Tel : 02-2092-3958

Jin-Sik Cho

Reviewed by Jin-Sik Cho

Tel : 1577-0091(ARS ①-④)

2020.01.09

Korea Testing & Research Institute

President



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Page : 1 of 3

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Test Results

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* Test conditions

- 200 mL of the bacterial inoculum were filled in the test article and reacted for 6 hours and 18 hours

** Test strain

- Staphylococcus aureus ATCC 6538

- Klebsiella pneumoniae ATCC 4352

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

- A : log of viable bacteria after designated time in the control group

- B : log of viable bacteria after designated time in the test group

**** Interpretation of the results

- log reduction ≥ 1 : $\geq 90\%$

- log reduction ≥ 2 : $\geq 99\%$

- log reduction ≥ 3 : $\geq 99.9\%$

- log reduction ≥ 4 : $\geq 99.99\%$

- log reduction ≥ 5 : $\geq 99.999\%$

Attachment: Test report

- Usage of Report : QUALITY CONTROL

- Next Page -

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- Note :
1. 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) or QR code to verify the authenticity of the certificate.
 2. This test report shall be used only within the purpose of its defined usage and shall not be used for public relation, advertisement and lawsuit.
 3. This test report is only valid when printed on KTR original report paper with hologram and when re-issued by KTR. The copy and the electronic file of the test report are only for reference.

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Page : 3 of 3

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