

# TEST REPORT

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

TEL 82-2-2164-0011

FAX 82-2-2634-1008

Report No : MSK-2020-001690

Receipt Date : 2020.07.27.

Representative : SUH Byung-jo

Test Completion Date : 2020.09.29.

Company name : Incheon Technopark

Address : 12 Gaetbeol-ro, Yeonsu-gu, Incheon, KOREA

Sample name : Siveray III

## Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
Virucidal test (Human respiratory syncytial virus)	Log reduction	-	2.38	ASTM E1052-20
Virucidal test (Rotavirus A)	Log reduction	-	1.13	ASTM E1052-20
Virucidal test (Human coronavirus)	Log reduction	-	1.50	ASTM E1052-20
Virucidal test [Influenza A virus (H1N1)]	Log reduction	-	0.88	ASTM E1052-20

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Tel : 02-2092-3956

*Jin-Sik Cho*

Reviewed by Jin-Sik Cho

Technical Manager

Tel : 1577-0091(ARS ①-④)

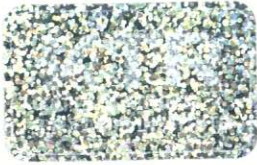
2020.09.29.

## Korea Testing & Research Institute

President *Kwon Oh-jung*



QR Code for forgery



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\* Test conditions

- Preparation of the test solution: 200 mL of distilled water was added to the test substance and left at  $(22 \pm 2)$  °C for 1 hour, and then used as a test solution
- Reaction time: 3 hours
- Reaction temperature:  $(22 \pm 2)$  °C

\*\* Test virus

- Human respiratory syncytial virus, Strain: Long, ATCC VR-26
- Rotavirus A, Strain: Wa (TC adapted), ATCC VR-2018
- Human coronavirus, Strain: 229E, ATCC VR-740
- Influenza A virus (H1N1), Strain: A/PR/8/34 (TC adapted), ATCC VR-1469

\*\*\* Host cells

- Hep-2, KCLB 10023
- CV-1, KCLB 10070
- MRC-5, ATCC CCL-171
- MDCK (NBL-2), ATCC CCL-34

\*\*\*\* Log reduction (LR)

- $LR = LU - LT$
- LU = The titer recovered from the virus control specimen (untreated)
- LT = The titer recovered from virucidal test specimen (treated)

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

- log reduction > 1: > 90 %
- log reduction > 2: > 99 %
- log reduction > 3: > 99.9 %
- log reduction > 4: > 99.99 %

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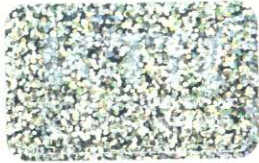
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## Test Results

TEST ITEM	UNIT	SAMPLE	RESULT	TEST METHOD
- log reduction > 5:	>	99.999 %		

- Test period : Aug.10.2020 ~ Sep.29.2020

Annex#1 : Picture of appearance or shape

Attachment : Test Report

- Usage of Report : QUALITY CONTROL

- 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](http://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 fo 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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# Annex#1 : Picture of appearance or shape

