

Textile Laboratory

Test Report

No: TX40647 /2020 /LI

Date: June 15, 2020

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New Fibers Textile Corporation
13F-10, No. 31, MinZu Road, Lujhou District,
New Taipei City 24741, Taiwan (R.O.C)

The following sample was submitted and identified by applicant as:

Sample Description : One sample of woven anti-bacterial conductive fabric

Color : Grey

Fiber Content : Stainless/Lyocell

Style No. : WF-82300-S21

Applicant : New Fibers Textile Corporation

Sample Receiving Date : Apr. 13, 2020

Test Performance Period : Apr. 13, 2020 to June 15, 2020

Test Performed : Selected test(s) as requested by applicant.

Test Results : For further details, please refer to the following page(s).

Signed for and on behalf of
SGS Taiwan Ltd.



Hu Shuen Long, Tim
Supervisor



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Test Results:

Determination of Antiviral Activity of Textile Products (ISO 18184: 2019)

Virus: Influenza A virus (H1N1): ATCC VR-1469

Sample	Common Logarithm Infectivity Titre Value	Antiviral Activity Value (Mv)
Cotton reference specimen - immediately after inoculation	6.62	-
Cotton reference specimen - after 2 hours contacting time	6.18	-
Test fabric specimen - after 2 hours contacting time	3.81	2.8

Note: Mv : The antiviral activity value

Lg(Va): The common logarithm of infectivity titre value immediately after inoculation

Ig(Vb) : The common logarithm of infectivity titre value after 2 h contacting with the reference specimen

Ig(Vc) : The common logarithm of infectivity titre value after 2 h contacting with the antiviral fabric specimen.

Antiviral Activity Value (Mv) = $Ig(Vb/Vc) = Ig(Vb) - Ig(Vc)$

If cotton reference specimen Infectivity Titre Value reduction = 1 or less, and log (Va) and in the case of $Ig(Va) > Ig(Vb)$, substitute Ig (Vb) with Ig (Va), where Antiviral Activity Value (Mv) is calculate as $(Mv) = Ig(Va/Vc) = Ig(Va) - Ig(Vc)$

Small effect standard: $3.0 > \text{Antiviral activity value}(Mv) \geq 2.0$

Full effect standard: $\text{Antiviral activity value}(Mv) \geq 3.0$

Tested by relevant SGS laboratory.

*** End of Report ***

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