

Textile Laboratory

## Test Report

No: TX70535A /2020 /LR

Date: Feb. 04, 2021

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smartfiber AG

Im Weidig 12, D-07407 Rudolstadt, Germany

The following sample was submitted and identified by applicant as:

Sample Description : One sample of knitted fabric

Color : White

Composition : 75% Lyocell 19% Smartcel™ Sensitive 6% Spandex

Style No. : JS601

Applicant : New Fibers Textile Corporation

Sample Receiving Date : July 08, 2020

Test Performance Period : July 08, 2020 to Jan. 29, 2021

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

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

**Remark: Test results have been taken from report number TX70535/2020/LR, Date: Jan. 29, 2021**

Signed for and on behalf of  
SGS Taiwan Ltd.

*Iris Chu*

Chu Pei Hsin, Iris  
Test Specialist



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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
Cotton reference specimen - immediately after inoculation	6.87	-
Cotton reference specimen - after 2 hours contacting time	6.31	-
Test fabric specimen - after 2 hours contacting time	2.30	4.6

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 other laboratory

\*\*\* End of Report \*\*\*

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