



Microbe Investigations AG

LS22-00673

Report date: February 28, 2022

Customer: Trans Pacific Textile (M) SDN. BHD.

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A red square logo with the text 'SWISS TECH INSIDE' in white, bold, uppercase letters.

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Microbe Investigations AG (MIS) is a spin-off company of ETH Zürich

MIS provides microbiological testing services primarily for industrial customers assessing the characteristics of developmental products. MIS also provides a depth of expertise in fundamental aspects of microbiology gained throughout many years of world-leading research. Target customers are primarily companies working with antimicrobial treatments on textiles, plastics, and coatings.

More information: www.microbe-investigations.com

spinoff



Test report overview

General Info	Name	Contact	Key Account Manager
Customer	Trans Pacific Textile (M) SDN. BHD.	Z. Sutirman	M. Raibin
Distributor	-	D. Tan Guan Liang	-
Brand owner	-	-	-
Brand label	-	Application at	-
Reason for testing	Quality validation	Application by	Not specified
Effects	-	Scale	3 - bulk trial

Test methods carried out in this report		
Effect / Property	Testing standard	Test parameter
Quantitative antiviral test on textiles	ISO 18184:2019	SARS-CoV-2 omicron variant: Isolate hCoV-19/USA/MD-HP2-874/2021

Test results: Very good effect level

Test summary / comments:

- In test ISO 18184, the "ProX anti-viral fabric" sample showed excellent antiviral activity against **SARS-CoV-2 omicron variant: Isolate hCoV-19/USA/MD- HP20874/2021 (B.1.1.529), BEI resources (NR- 56461)**, after 60 home launderings.

Samples, finishing process and textile information

Sample	Sample description
1	ProX anti-viral fabric

Recipe	Sample number
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Textile information	1
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Microbiology: Antiviral Activity

Recipe	Sample number
ISO 18184: SARS-CoV-2 (omicron variant)	
Sub-Samples	1-1
Infective titer test	Plaque assay
Ig(Va) (control, immediately) SARS-CoV-2 (omicron)	4.92
Contacting time [minutes] SARS-CoV-2 (omicron) [min]	120
Ig(Vc) (sample, after contacting) SARS-CoV-2 (omicron)	1.70
Antiviral activity value M _v SARS-CoV-2 (omicron)	3.20
Percent reduction [%] SARS-CoV-2 (omicron)	99.940
Activity SARS-CoV-2 (omicron)	++