Microbe Investigations AG

LS21-00358

Report date: January 29, 2021

Customer: HanProtec GmbH

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SWISS TECH INSIDE

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

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Test report overview

General Info	Name	Contact	Key Account Manager
Customer	HanProtec GmbH	W. Nitsche	R. Mundinger
Distributor	-	-	-
Brand owner	-	-	-
Brand label	-	Application at	n/a
Reason for testing	Quality validation	Application by	Not specified
Effects	infectX - HeiQ Viroblock	Scale	0 - unspecified

Test methods carried out in this report		
Effect / Property	Testing standard	Test parameter
Quantitative antiviral test on textiles	ISO 18184:2019	Betacoronavirus 1, strain OC43 (ATCC VR-1558)

Test summary / comments:

- **In the test ISO 18184**, the "HQ10 and TQ10" samples at 5min contact time showed ~90% antiviral activity against ***Beta Coronavirus (Strain: OC43).***

Samples, finishing process and textile information

Sample	Sample description
1	infectX - TQ10 Airlaid/Nonwoven Series
2	infectX - HQ10 Tissue Series

Recipe	Sample number

Textile information	1	2
Weight [g/m2]	-	-
Construction	VLE	VLE
Structure	OTR	OTR

Legend:

Construction process	*Textile structure*
VLE = Nonwoven	*OTR = Other*

Antiviral Testing

Recipe	Sample number	
ISO 18184: Betacoronavirus 1 (ATCC VR-1558)		
Sub-Samples	1-1	2-1
Virus strain	Betacoronavirus 1, strain OC43 (ATCC VR-1558)	Betacoronavirus 1, strain OC43 (ATCC VR-1558)
lg(Va) (control, immediately) Betacoronavirus 1	6.89	6.89
Contacting Time Betacoronavirus 1 [min]	5	5
lg(Vc) (sample, after contacting) Betacoronavirus 1	5.89	5.97
Antiviral activity Value Mv Betacoronavirus 1	1.00	0.90
Percent reduction Betacoronavirus 1 [%]	90.000	88.144
Activity Betacoronavirus 1	-	-