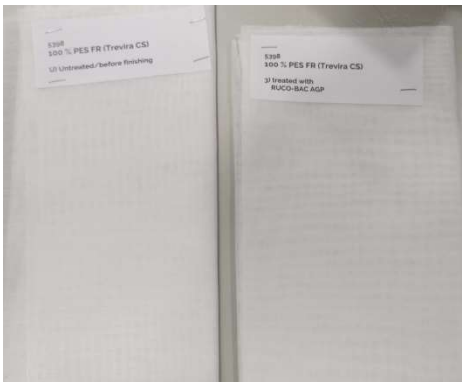


Test report n° 2100043/01

Hohmann GmbH & Co. KG
Barenbrunn 4
Helmbrechts - DE

Test information	
MATERIAL	100% PES FR
ITEM	<p>5398 100% PES FR (Trevira CS) Treated 5398 100% PES FR (Trevira CS) Untreated/before finishing</p> 
TREATMENT	RUCO-BAC AGP
METHOD	ISO 18184:2019 "Textiles – Determination of antiviral activity of textile products"
Date of receipt	16 March 2021
Samples	<ul style="list-style-type: none"> • Treated sample: 20 x 20 mm; • Untreated sample: 20 x 20 mm; • All samples were sterilized at 121°C for 15 minutes; • Volume of test inoculum: 200 uL.
Conservation	Room temperature
Test temperature	25°C ± 1°C
Incubation temperature	37°C ± 1°C
Viral strain	SARS-CoV-2_COV2019 ITALY/INMI1
Permissive host cell line	VERO E6
Contact time	2H-6H



Calculation of antiviral activity

Antiviral activity is calculated with the following formula:

$$M_v = \lg (V_a) - \lg (V_c)$$

where

M_v is the evaluation of antiviral activity

$\lg (V_a)$ logarithm of the mean of TCID₅₀ of the three replicates at time T₀ detected on the control

$\lg (V_c)$ logarithm of the mean of TCID₅₀ of the three replicates at time T detected on the treated sample

Log TCID₅₀ inoculum: 6.8

Control test					
	Average Log TCID ₅₀	TCID ₅₀ /1mL	Test valid if	Results	
Untreated sample	4.17	10 ^{4.17}	(Lg TCID ₅₀ Untreated - Lg TCID ₅₀ Treated) < 0.5		
Treated sample	4.08	10 ^{4.08}		0.09	Valid

Test results

	Time	Average Log TCID ₅₀ Lg (V _a)	TCID ₅₀ / 1 mL	M	Test valid if
Untreated sample	T0	5.08	10 ^{5.08}	/	/
	T2	4.92	10 ^{4.92}	0.17	M<1.0
	T6	3.67	10 ^{3.67}	1.42	



	Time	Average Log TCID ₅₀ Lg (V _c)	TCID ₅₀ /1 mL	M _v	% reduction versus T0
Treated sample	T2	1.50	10 ^{1.50}	3.58	99.97
	T6	1.50	10 ^{1.50}	3.58	99.97

Antiviral efficacy	
3.0 > M _v ≥ 2.0	Good effect
M _v ≥ 3.0	Excellent effect

This Test Report refers only to the sample tested; the name and description of the sample are declared by the Customer.
This test report may only be reproduced in full; partial reproduction must be authorized with written approval by the Laboratory.
° Test in service (same Group).

Prato, 20 April 2021

End of test Report

The Responsible,

