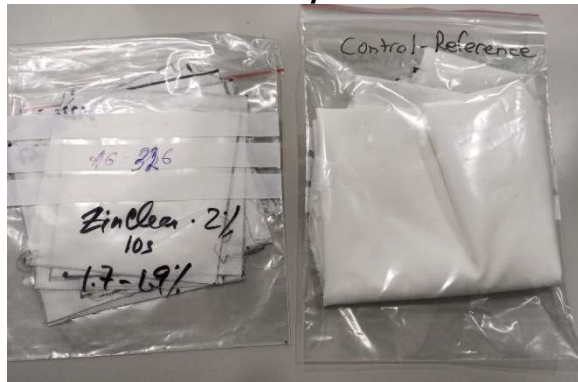


Test report n° 2100040/01

SONOVIA LTD
1 HABONIM ST
RAMAT GAN – IL

Test information	
MATERIAL	Woven PES/CO 65/35 BLEACHED, 100 GSM WITH ZnO Anti Viral Sono finishing
ITEM	<p>Treated sample: AG-326 – Untreated sample: Reference/control</p> 
TREATMENT	ZnO Anti Viral Sono finishing
METHOD	ISO 18184:2019 "Textiles – Determination of antiviral activity of textile products"
Date of receipt	18 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_UK MUTANT (Lot: VMR_SARSCOV2UKMUT_14484_VMRISOLATE_VEROE6_090321_C6)
Permissive host cell line	VERO E6
Contact time	2h-6h-18h



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: 6.5

Control test					
	Average Log TCID ₅₀	TCID ₅₀ /1mL	Test valid if	Results	
Untreated sample	4,33	10 ^{4,33}	(Lg TCID ₅₀ Untreated - Lg TCID ₅₀ Treated) < 0.5		
Treated sample	3,92	10 ^{3,92}		0.41	Valid

Test results

	Time	Average Log TCID ₅₀ Lg (V _a)	TCID ₅₀ / 1 mL	M	Test valid if
Untreated sample	T0	4,75	10 ^{4,75}	/	/
	T2	4,08	10 ^{4,08}	0,67	M<1.0
	T6	3,83	10 ^{3,83}	0,92	
	T18	2,50	10 ^{2,50}	2,25	



	Time	Average Log TCID ₅₀ Lg (V _c)	TCID ₅₀ /1 mL	M _v	% reduction vs T0
Treated sample	T2	2,67	10 ^{2,67}	2,08	99,17
	T6	1,50	10 ^{1,50}	3,25	99,94
	T18	1,50	10 ^{1,50}	3,25	99,94

Anitivral efficacy	
$3.0 > M_v \geq 2.0$	Good effect
$M_v \geq 3.0$	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, 08 April 2021

End of test Report

The Responsible,

