


Test report n° 2100121/01

SONOVIA LTD
1 HABONIM ST
RAMAT GAN – IL

Test information	
MATERIAL	Sono Mask fabric: WOVEN 80%/20% PES/CO90GSM with Silver Sono finishing
ITEM	<p>Treated sample: WOVEN 80%/20% PES/CO 90GSM with Silver Sono finishing</p> <p>Untreated sample: 100% cotton</p> <p>Additive/treatment: Silver Sono Finishing</p> 
METHOD	ISO 18184:2019 "Textiles – Determination of antiviral activity of textile products"
Date of receipt	25.06.2021
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_Delta variant (VMR_SARSCOV2Deltavariantswabisolation_17082021_C4)
Permissive host cell line	VERO E6
Contact time	30Min-1H-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: 5.88

Control test				
	Average Log TCID ₅₀ /mL	Test valid if		Results
Untreated sample	4.17	(Lg TCID ₅₀ Untreated – Lg TCID ₅₀ Treated) < 0.5		0.42
Treated sample	3.75			
				Valid

Test results

	Time	Average Log TCID ₅₀ /mL Lg (V _a)	M	Test valid if
Untreated sample	T0	4.83	n/a	n/a
	T30'	4.00	0.83	M<1.0
	T1	3.92	0.92	
	T2	3.92	0.92	
	T6	2.92	1.92	



	Time	Average Log TCID ₅₀ /mL Lg (V _c)	M _v	% reduction versus T0
Treated sample	T30'	3.25	1.58	97.37
	T1	2.67	2.17	99.31
	T2	1.50	3.33	99.95
	T6	1.50	3.33	99.95

Antiviral 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.
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° Test in service (same Group).

Prato, 13 September 2021

End of test Report

The Responsible,

