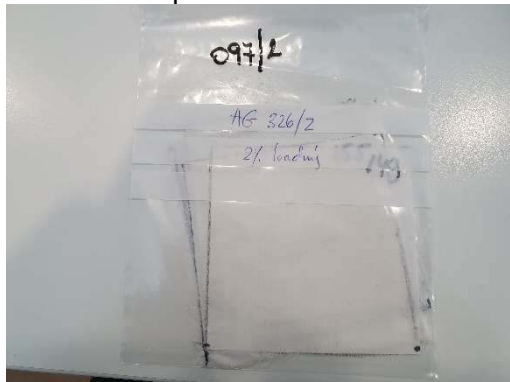


Test report n° 2100025/01

SONOVIA LTD  
1 HABONIM ST  
RAMAT GAN – IL

Test information	
MATERIAL	Plain woven 65/35 PES/CO, 100gsm, Bleached with ZnO sonofinishing
ITEM	<p>Sonovia – treated sample: AG-326/2 – Untreated sample: Reference</p> 
TREATMENT	ZnO Sono finishing
METHOD	ISO 18184:2019 "Textiles – Determination of antiviral activity of textile products"
Date of receipt	28 January 2021
Samples	<ul style="list-style-type: none"> <li>• Treated sample: 20 x 20 mm;</li> <li>• Untreated sample: 20 x 20 mm;</li> <li>• All samples were sterilized at 121°C for 15 minutes;</li> <li>• Volume of test inoculum: 200 uL.</li> </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 TCID<sub>50</sub> of the three replicates at time T<sub>0</sub> detected on the control

$\lg(V_c)$  logarithm of the mean of TCID<sub>50</sub> of the three replicates at time T detected on the treated sample

Log TCID<sub>50</sub> inoculum: 6.88

Control test					
	Average Log TCID <sub>50</sub>	TCID <sub>50</sub> /1mL	Test valid if	Results	
Untreated sample	4.75	10 <sup>4.75</sup>	(Lg TCID <sub>50</sub> Untreated - Lg TCID <sub>50</sub> Treated) < 0.5		
Treated sample	4.50	10 <sup>4.50</sup>		0.25	Valid

Test results

	Time	Average Log TCID <sub>50</sub> Lg (V <sub>a</sub> )	TCID <sub>50</sub> / 1 mL	M	Test valid if
Untreated sample	T0	5.53	10 <sup>5.53</sup>	/	/
	T2	4.67	10 <sup>4.67</sup>	0.67	M<1.0
	T6	4.42	10 <sup>4.42</sup>	0.92	



	Time	Average Log TCID <sub>50</sub> Lg (V <sub>d</sub> )	TCID <sub>50</sub> /1 mL	M <sub>v</sub>	% reduction versus T0
Treated sample	T2	3.33	10 <sup>3.33</sup>	2.00	99.00
	T6	2.00	10 <sup>2.00</sup>	3.33	99.97

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.  
 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, 25 February 2021

End of test Report

The Responsible,

