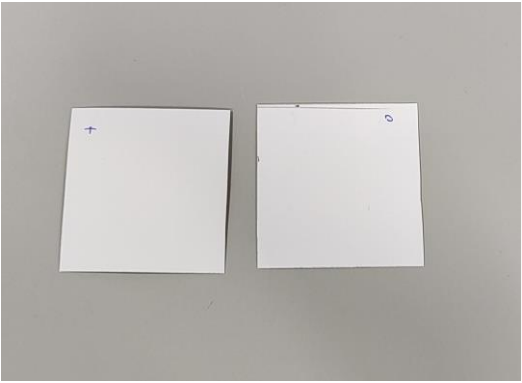


Dear: Centro Controllo Tessile S.r.l.
Via Natale Campi, 5
59100 – Prato (PO)

Test Report n° 2302369/01/E1–
Amendment of 01-03-2024

Test information	
Material	ARCASCREEN ANTI-BACTERIEN
Product name (Samples and data provided by the customer)	Manufacteur: ARCANE INDUSTRIES Treated sample: SID60X1000 TREATED + Untreated sample: SID60X1000 UNTREATED 0 Additive/treatment: silver chloride
	
METHOD	ISO 21702:2019 “Measurement of antiviral activity on plastics and other non porous surfaces”
Acceptance date	28/11/2023
Samples	<ul style="list-style-type: none"> • Treated sample: 50 x 50 mm², 2 mm thick; • Untreated sample: 50 x 50 mm², 2 mm thick; • Cover film: polypropylene film 40 x 40 mm², thickness 0.10 mm; Volume of test inoculum: 400 uL.
Analysis date	15/12/2023 – 18/12/2023
Conservation	Room temperature
Test temperature	25°C ± 1°C
Incubation temp.	37°C ± 1°C
Viral strain	SARS –CoV-2_COV2019 ITALY/INMI1
Permissive host cell line	VERO E6
Contact time	4h



Test report n° 2302369/01 follows

Calculation of antiviral activity

Antiviral activity is calculated with this formula

$$R = U_t - A_t$$

where

R is the evaluation of antiviral activity

U_t is the mean of log TCID₅₀/cm² of the 3 untreated samples at time Tx

A_t is the mean of log TCID₅₀/cm² of the 3 treated samples at time Tx

Log TCID₅₀ inoculum: 6.00

	Control tests			
	Average Log TCID ₅₀ /ml	Test valid if	Results	
Negative control (Sn)	3.71	n/a	n/a	n/a
Untreated sample (Su)	3.67	$ S_n - S_u \leq 0.5$	0.04	Valid
Treated sample (St)	3.42	$ S_n - S_t \leq 0.5$	0.29	Valid
Cytotoxicity test	negative (no interference with cell growth)			Valid

Risultati

	Time	Average Log TCID ₅₀ /ml	N (TCID ₅₀ /cm ²)	U_t	R $ U_t - A_t $	
Untreated sample	T0	5.25	1.11×10^6	6.05	n/a	Test valid if $2.5 \times 10^5 < N(T0) < 1.2 \times 10^6$ (TCID ₅₀ /cm ²)
	T4	1.88	4.74×10^2	2.68	n/a	Valid

	Time	Average Log TCID ₅₀ /ml	N (TCID ₅₀ /cm ²)	A_t	R $ U_t - A_t $
Treated sample	T4	1.50	1.98×10^2	2.30	0.38 ± 0.06

The expanded uncertainty values are calculated at a probability level of 95% and with a coverage factor $k = 2$

When the laboratory does not carry out the sampling, the results are referred to the sample as received.

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Copia fedele all'originale, tradotta in lingua inglese

Cancels and replaces report 2302369.001 of 09/01/2024

Cause of amendment: Incorrect communication by the customer of the recipient to be reported in the RdP

End of Test Report

Responsabile tecnico di laboratorio microbiologia

Eleonora Tozzi



Siena, 01 marzo 2024

Il Responsabile delle Analisi

Dott. Niccolò Solfanelli



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