

Test Report n° 2501022/01

Test information	
MATERIAL	3AAA Active Antivirus Antibacterial/ substrato: AISI 304
DENOMINATION	Campione trattato: 3AAA Campione non trattato: Non trattato
TREATMENT	ASTM e2180-18 "Measurement of antibacterial activity on polymeric or hydrophobic materials"
METHOD	24/04/2025
Date of receipt	• 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.
Samples	19/05/2025-22/05/2025
Period of analysis	Room temperature
Conservation	35°C ± 1°C
Incubation temperature	35°C ± 1°C
Bacterial strain	Staphylococcus aureus – Escherichia coli
Contact time	24h



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Test results

Test	Methodh	unit of measurement	Result
Antibacterial activity against <i>Escherichia coli</i> ATCC 25922	ASTM e2180-18		
Average number of bacteria on untreated sample at time 0 T=0 (U0)		N° (cellule/cmq)	1290000
Average number of bacteria on untreated sample at time 24h (Ut)		N° (cellule/cmq)	2200000
Average number of bacteria on treated sample at time 24h (At)		N° (cellule/cmq)	2580
Antibacterial activity R (Ut-U0)-(At-U0)		Log10	>5.00
R% ((C24-T24/C24)*100)		%	99.88%

Test	Methodh	unit of measurement	Result
Antibacterial activity against <i>Staphylococcus aureus</i> ATCC 6538	ASTM e2180-18		
Average number of bacteria on untreated sample at time 0 T=0 (U0)		N° (cellule/cmq)	1280000
Average number of bacteria on untreated sample at time 24h (Ut)		N° (cellule/cmq)	730000000
Average number of bacteria on treated sample at time 24h (At)		N° (cellule/cmq)	1230000
Antibacterial activity R (Ut-U0)-(At-U0)		Log10	>5.00
R% ((C24-T24/C24)*100)		%	99.8%

This test report refers only to the sample tested; the name and description of the sample are stated by the customer. This test report may only be reproduced in full; partial reproduction must be authorised with the written approval of the Laboratory.

End of Test Report

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Dott.ssa Eleonora Tozzi



Siena, 30 may 2025

Il Responsabile
Dott.ssa Francesca Ciacci

Iscrizione Ordine dei biologi della
Toscana e dell'Umbria
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