

TEST REPORT

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Revision: 0
Date of sample receipt: 30/06/25
Date of test: 07/07/25
Date of issue: 15/07/25
Sample name: HPL SILVERLAM

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Antibacterial activity of plastics and other non-porous surfaces ISO 22196:2011

Test material: HPL
Specimen size: 50x50 mm
Covering film: PET, 40x40 mm, 0,10 mm thickness
Bacteria: Escherichia coli DSM 1576
Staphylococcus aureus DSM 346
Inoculum volume: 0,4 ml

Results with E. coli:

inoculum charge (cfu/ml)	count at time 0 untreated specimens (cfu/cm2)	count after 24 hrs untreated specimens (cfu/cm2)	count after 24 hrs treated specimens (cfu/cm2)
6,4E+05	2,2E+04	3,1E+02	< 1
Antibacterial activity R =	Uo	Ut	At
	4,3	2,5	n.d.
≥ 2,5			

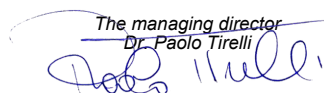
Results with S. aureus:

inoculum charge (cfu/ml)	count at time 0 untreated specimens (cfu/cm2)	count after 24 hrs untreated specimens (cfu/cm2)	count after 24 hrs treated specimens (cfu/cm2)
7,2E+05	1,8E+04	< 1	< 1
Antibacterial activity R =	Uo	Ut	At
	4,3	n.d. *	n.d.
n.d.			

* Note: After 24 hours of incubation no colony forming units of S.aureus were recovered from the untreated samples, therefore R could not be determined.

This test report is part of a PDF file digitally signed by Paolo Tirelli.

The managing director
Dr. Paolo Tirelli



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