

TEST REPORT

Nº 2021TM4426

DATE OF RECEPTION

16/07/2021

DATE TEST

Starting: 16/07/2021
Ending: 19/07/2021

APPLICANT

ENGLISH DEKOR
Scheydgasse, 29
AT-1210 Wien
AUSTRIA

Att: HEINZ FLEISCHMANN

DESCRIPTION AND
IDENTIFICATION OF
SAMPLES

SAMPLES REFERENCED:

-"CANVAS II"

Copy of certificate nº2017TM0955 due to change of reference being the article the same and maintaining the same technical characteristics.

TESTS CARRIED
OUT

- ANTIBACTERIAL ACTIVITY

ATTACHED



SAMPLE(S)

SEALED

PAGE

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OF

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RESULTS

ANTIBACTERIAL ACTIVITY

Standard: ASTM E2180-07

Principle:

The standard specifies the testing methods to evaluate antimicrobial activity and antimicrobial efficacy on bacteria on the surface of antimicrobial products, of hydrophobic materials or polymeric surfaces.

The test requires some sample material that has been given an antibacterial treatment and a control material. Both materials are inoculated, with a bacterial suspension, and incubated for 24 h at an optimal temperature. After 24 h of incubation, the antimicrobial activity is calculated, which expresses the difference in bacterial growth between the sample material and the control material as antimicrobial activity.

Test date: 07/06/17 – 12/06/17

Sample reference: CANVAS II

Test microorganism: *Staphylococcus aureus* ATCC 6538

Tested area: 3 cm²

Results:

<i>Staphylococcus aureus</i> ATCC 6538		
Control sample		
Incubation time	ufc/ml	Log
24 h	108,266	5.03
Incubation time	ufc/ml	Log
24 h	3,680	3.56
Value of antimicrobial activity (Percent reduction)	94,9 %	

Notes:

- It has been used as a control the sample without antibacterial finished.



RESULTS

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The test requires some sample material that has been given an antibacterial treatment and a control material. Both materials are inoculated, with a bacterial suspension, and incubated for 24 h at and optimal temperature. After 24 h of incubation, the antimicrobial activity is calculated, which expresses the difference in bacterial growth between the sample material and the control material as antimicrobial activity.

Test date: 07/06/17 - 12/06/17

Sample reference: CANVAS II

Test microorganism: *Klebsiella pneumoniae* ATCC 4352

Tested area: 3 cm²

Results:

<i>Klebsiella pneumoniae</i> ATCC 4352		
Control sample		
Incubation time	ufc/ml	Log
24 h	122,166	5.08
Incubation time	ufc/ml	Log
24 h	62,667	4.79
Value of antimicrobial activity (Percent reduction)	86.7 %	

Notes:

- It has been used as a control the sample without antibacterial finished.



RESULTS

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The test requires some sample material that has been given an antibacterial treatment and a control material. Both materials are inoculated, with a bacterial suspension, and incubated for 24 h at and optimal temperature. After 24 h of incubation, the antimicrobial activity is calculated, which expresses the difference in bacterial growth between the sample material and the control material as antimicrobial activity.

Test date: 07/06/17 - 12/06/17

Sample reference: CANVAS II

Test microorganism: *Escherichia coli* ATCC 8739

Tested area: 3 cm²

Results:

<i>Escherichia coli</i> ATCC 8739		
Control sample		
Incubation time	ufc/ml	Log
24 h	320,000	5.5
Incubation time	ufc/ml	Log
24 h	<20	0
Value of antimicrobial activity (Percent reduction)	100 %	

Notes:

- It has been used as a control the sample without antibacterial finished.



RESULTS

ANTIBACTERIAL ACTIVITY

Standard: ASTM E2180-07

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The standard specifies the testing methods to evaluate antimicrobial activity and antimicrobial efficacy on bacteria on the surface of antimicrobial products, of hydrophobic materials or polymeric surfaces.

The test requires some sample material that has been given an antibacterial treatment and a control material. Both materials are inoculated, with a bacterial suspension, and incubated for 24 h at and optimal temperature. After 24 h of incubation, the antimicrobial activity is calculated, which expresses the difference in bacterial growth between the sample material and the control material as antimicrobial activity.

Test date: 07/06/17 - 12/06/17

Sample reference CANVAS II

Test microorganism: *Pseudomonas aeruginosa* ATCC 15442

Tested area: 3 cm²

Results:

<i>Pseudomonas aeruginosa</i> ATCC 15442		
Control sample		
Incubation time	ufc/ml	Log
24 h	113,166	5.05
Incubation time	ufc/ml	Log
24 h	85,433	4.93
Value of antimicrobial activity (Percent reduction)	78.5 %	

Notes:

- It has been used as a control the sample without antibacterial finished.



Isabel Soriano
Jefa Área Innovación
Chief of Innovation Area



Digitally signed by MARIA ISABEL
SORIANO SARRIO - NIF:52716426N
Date: 2021.07.19 12:34:21 +01:00
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