



Clipso Productions SAS
5 Rue de l'Eglise
FR-68800 Vieux-Thann

Burgdorf, 13.07.2012

Test order No. 2012-0940

Determination of the antimicrobial activity

Date of order:

27.06.2012

Responsible:

Pages:

2

Enclosures:

Abstract: AATCC 147:2011

Abstract: AATCC 30-2004 Part III

Method(s):

AATCC 147:2011

Qualitative test for determination of the antibacterial effectiveness:

AATCC 30-2004 Part III

Qualitative test for determination of the antimycotic effectiveness:

SANITIZED AG

A handwritten signature in blue ink, appearing to read "E. Rohrbach".

Erich Rohrbach

Head Microbiology

The findings are valid for the tested object(s) only. Filing record of report and documentation is 10 years.

SANITIZED AG

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Results

Description of sample

Sample number: **2012-0940-01**
Business: TEXTILE

Received: 27.06.2012
Type: Quality control

Identification: 705AB
Main Component: PES
Appearance: Blanc
Field of Application: Plafonds

Sanitized Products: Sanitized® TH 22-27
Declared quantity: 3% in the paste
Finishing Process(es): Léchage

Finishing Parameter(s): Séchage: 140-150°C

Test results of the SANITIZED-laboratory

Qualitative test for determination of the antibacterial effectiveness:				
Method	Test point	Growth	Halo in mm	Evaluation
AATCC 147:2011	Staphylococcus aureus ATCC 6538	None	5 mm	Good effect

Qualitative test for determination of the antimycotic effectiveness:				
Method	Test point	Growth	Halo in mm	Evaluation
AATCC 30-2004 Part III	Aspergillus niger ATCC 6275	None	-	Good effect

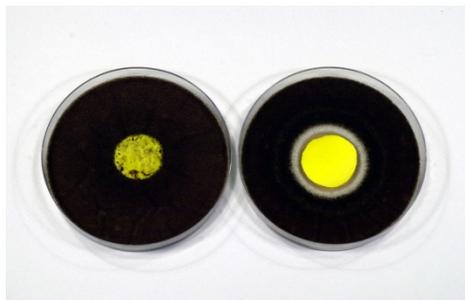
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Agar Diffusion Test: AATCC 30 Test II and III



Antimycotic Efficacy, Assessment of Textiles: Agar Plate Test

Country / Year:

USA / 2004

Duration of Test:

14 Days

Fields of Application:

Textiles, Leather, etc.

Size of Specimens:

Specimens with a diameter 38mm for use in a 2-fold determination

Scope:

This method meets the requirement of a simply viable qualitative test for determining the antimycotic efficacy of diffusible antimycotic substances on treated materials.

Abstract of method:

The specimens are placed on a mineral salt agar to which the test fungus has been added, and then incubated for 14 days at a temperature of 28 °C.

Evaluation of test:

Prevention of fungal growth in the contact zone between specimen and agar. Assessment of fungal growth: No growth, microscopic growth, macroscopic growth.

Specification of test results:**Test organisms:**

Chaetomium globosum ATCC 6205 (Test II)
Aspergillus niger ATCC 6275 (Test III)

No growth:

The specimen is fully protected against growth of the test fungus and shows a good efficacy.

Microscopic and macroscopic growth:

The specimen is insufficiently protected against fungal growth.

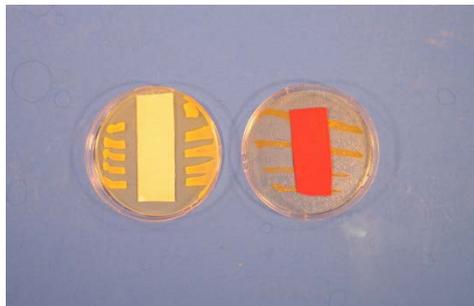
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Agar Diffusion Test: AATCC 147



Antibacterial Activity Assessment of Textile Materials: Parallel Streak Method

Country / Year:

USA / 2011

Duration of Test:

18 to 24 hrs.

Fields of Application:

Textiles, leather, synthetics, etc.

Size of Specimens:

Material strips measuring 20 mm x 50 mm for use in a single determination

Scope:

This method meets the requirement of a quickly and simply viable qualitative test for determining the antibacterial efficacy of diffusible antibacterial substances on treated materials.

Abstract of method:

The specimens are placed on a nutrient agar which has been previously streaked with an inoculum of the test bacterium. The test plates are incubated during 18 - 24 hours at a temperature of 37 °C.

Evaluation of test:

Bacterial growth underneath the specimen or the size of an inhibition zone along its sides.

Test organisms:

Staphylococcus aureus ATCC 6538

Escherichia coli ATCC 11229

The germ spectrum may be extended if required for a particular field of application or for other specifications.

Specification of test results:

No growth, inhibition zone 0 mm or more:

The specimen is fully protected against growth of the test germ and shows a good efficacy.

Weak growth:

The specimen is free from bacterial growth over at least 95 % of the contact zone and shows a good efficacy.

Medium or full growth in the contact zone underneath the specimen:

The specimen is insufficiently protected against bacterial growth.