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Burgdorf, 18.08.2011

Test order No. 2011-1090

Determination of the antimicrobial activity

Date of order:	25.07.2011
Responsible:	Sig. Andrea Polloniato
Pages:	6
Enclosures:	Abstract: JIS Z 2801:2000

Method(s):

JIS Z 2801:2000	Quantitative analysis for determination of the bacteriostatic activity:
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SANITIZED AG

Erich Rohrbach
Head Microbiology

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

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Results

Description of sample

Sample number: **2011-1090-05** Received: 25.07.2011
Business: POLYMER Type: Project

Identification: LAB 412/11-V4
Main Component: Polyester Resin
Minor Component: Hydroxyalkylamide, metal support
Appearance: Grey, RAL 7021 LTC
Field of Application: Powder coatings
Manufacturing Method: Dry-Blend

Sanitized Products: Sanitized® BC A 21-41
Declared quantity: 0.6%

Finishing Parameter(s): 20 sec at 150°C

Pretreatment: No
Remark: Side with label tested

Test results of the SANITIZED-laboratory

Quantitative analysis for determination of the bacteriostatic activity:				
Method	Test point	Activity	Reduction in %	Evaluation
JIS Z 2801:2000	Staphylococcus aureus ATCC 6538P	3,10	99,92	Good effect

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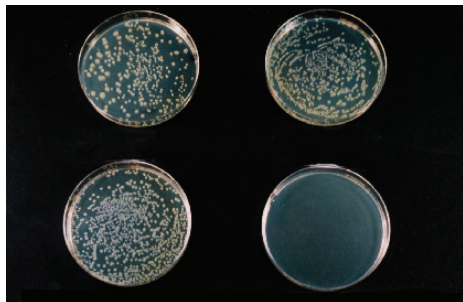
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Count tests: JIS Z 2801



Test the anti-microbial activity and efficacy

Country / Year:

Japan / 2000

Test time:

4 days

Field of application:

flat plastic material with smooth, non-absorbent surface

Sample size:

Test specimen with a side length of 45mm in a triple determination

Scope:

This method is applied for the quantitative determination of the antibacterial effectiveness of non-diffusible active substances.

Abstract:

The previously sterilized test-specimens are impregnated with a defined quantity of a germ-suspension and are covered with a piece of sterile plastic film. The thus prepared test samples are incubated in a closed system for 24 hours at 37°C/99°F. The incubated samples are then rinsed together with the plastic film with a defined quantity of sterile diluent solution.

Test assessment:

Evaluation is based on the difference in bacteria count (in terms of cfu) between zero and 24 hour contact with the test material. Germ reduction "Bacteriostatic Activity R" is given as logarithmic and proportional value.

Test Organisms:

Staphylococcus aureus ATCC 6538

Escherichia coli ATCC 11229

Klebsiella pneumoniae ATCC 4352

Explanation of the bacteriostatic activity:

0.0%: germ growth, insufficient antibacterial effect

0.1% to <90%: no significant germ reduction, insufficient antibacterial effect

>90%: Significant germ reduction, good antimicrobial effect.