



Treatex Ltd.  
Howland Road, Thame  
GB-Oxfordshire ox9 3GQ

Burgdorf, 23.08.2011

**Test order No. 2011-1153**

**Determination of the antimicrobial activity**

Date of order: 05.08.2011  
Responsible:  
Pages: 2  
Enclosures: Abstract: JIS Z 2801:2000

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**Method(s):**

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

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**SANITIZED AG**

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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: **2011-1153-01**  
Business: POLYMER

Received: 05.08.2011  
Type: Quality control

Identification: Treatex®  
Main Component: Hardwax Oil  
Minor Component: Wood support  
Appearance: Clear / ash  
Field of Application: Wood varnish  
Manufacturing Method: Varnishing

Sanitized Products: n.d.  
Declared quantity: n.d.

Pretreatment: No

### 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	>4,50	>99,99	Good effect

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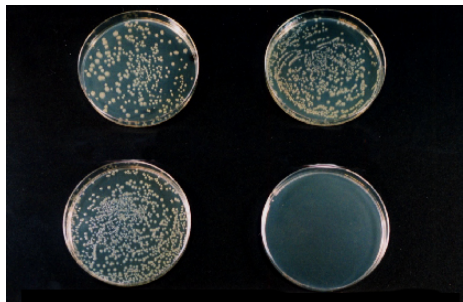
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## Count tests: JIS Z 2801



### 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 8 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 8 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.