ACCREDITED TESTING LABORATORY No. 1091

TEST REPORT

AZL 14/1121-01

CUSTOMER: FabricAir A/S
Islandsvej 3
4681 Herfølge
Denmark

SAMPLE: COMBI 90
(according to the customer order)
Fibre composition: 100 % polyester
Woven fabric + fireproof finish + antibacterial treatment + polyurethane finish

SUBJECT OF ASSESSMENT:
Determination of antibacterial activity - Agar diffusion plate test

CONDITIONS OF APPLICATION OF THE TEST REPORT:
Test Report contains result of the tests related to the submitted sample only. Sampling has been done by customer. The Report may not be reproduced in the way other than as a complete set. Reproduction of certain parts of the Report is subject to approval of the test laboratory, which has issued it.

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NUMBER OF PAGES: 2

DATE OF ACCEPTANCE: 9.10.2014
DATE OF EXAMINATION: 12.10. – 14.10.2014
DATE OF ISSUE: 15.10.2014

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PROCEDURE OF ASSESSMENT

**Determination of antibacterial activity - Agar diffusion plate test**

was determined according to EN ISO 20645

*Used germs (cultures delivered from National institute of public health and Czech collection of Microorganisms):*

<table>
<thead>
<tr>
<th>No.</th>
<th>CNCTC 6120</th>
<th>Klebsiella pneumoniae</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>CCM 4516</td>
<td>Staphylococcus aureus</td>
</tr>
</tbody>
</table>

*Conditions of assessment:*
- diameter of test specimen: $\varnothing$ 25 mm
- temperature in incubator: $(37\pm1)$ °C
- influence time: 24 h

The bacterial growth in the nutrient medium under the test specimen was assessed according to following table:

<table>
<thead>
<tr>
<th>Mean value of inhibition zone (mm)</th>
<th>Growth</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;1</td>
<td>none</td>
<td>good effect</td>
</tr>
<tr>
<td>1-0</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>none</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>slight</td>
<td>limit of efficacy</td>
</tr>
<tr>
<td>0</td>
<td>moderate</td>
<td>insufficient effect</td>
</tr>
<tr>
<td>0</td>
<td>heavy</td>
<td></td>
</tr>
</tbody>
</table>

Result: assessment of bacterial growth

**TEST RESULTS:**

**COMBI 90**

Fibre composition: 100 % polyester

Woven fabric + fireproof finish + antibacterial treatment + polyurethane finish

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Test method</th>
<th>Measuring unit</th>
<th>Growth</th>
<th>Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Determination of antibacterial activity - Agar diffusion plate test</td>
<td>EN ISO 20645</td>
<td>Growth</td>
<td>1) none (IZ = 0 mm)</td>
<td>good effect</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2) none (IZ = 1 mm)</td>
<td>good effect</td>
</tr>
</tbody>
</table>

Petr Nasadil
Head of Testing Laboratory