TEST REPORT

AZL 14/1121-02

CUSTOMER: FabricAir A/S
Islandsvej 3
4681 Herfølge
Denmark

SAMPLE: COMBI 80
(Fibre composition: 100 % polyester
Woven fabric + fireproof finish + antibacterial treatment)

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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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):

| 1) CNCTC 6120 | *Klebsiella pneumoniae* |
| 2) CCM 4516 | *Staphylococcus aureus* |

**Conditions of assessment:**
- diameter of test specimen: $\Phi 25$ 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 the 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>good effect</td>
</tr>
<tr>
<td>0</td>
<td>none</td>
<td>good effect</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>insufficient effect</td>
</tr>
</tbody>
</table>

**Result:** assessment of bacterial growth

**TEST RESULTS:**

**COMBI 80**

Fibre composition: 100 % polyester

Woven fabric + fireproof finish + antibacterial treatment

<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 = 1 mm)</td>
<td>good effect</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>2) none (IZ = 3 mm)</td>
<td>good effect</td>
</tr>
</tbody>
</table>

Petr Nasadil
Head of Testing Laboratory