



Textilní zkušební ústav

(Textile Testing Institute)  
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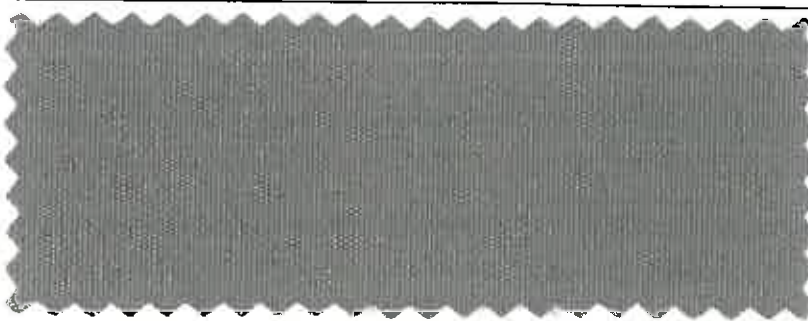
ACCREDITED TESTING LABORATORY No. 1001

# TEST REPORT

AZL 14/0985-01

**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:**

Antibacterial Activity Assessment of Textile Materials

**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**

**Antibacterial finishes on Textile Materials: Assessment of**  
was determined according to AATCC Test method 100-2012.

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

CNCTC 6120	<i>Klebsiella pneumoniae</i>
CCM 4516	<i>Staphylococcus aureus</i>

**Conditions of assessment:**

- mass of samples: (2,0±0,2) g
- number of samples for each used germ: six treated samples (antibacterial), six untreated (reference)
- sterilization of test samples: dry heat sterilization (124 °C, 3 h)
- neutralizing solution: tryptone
- dilution medium: tryptone
- temperature in incubator: (37±2) °C
- influence time: 24 h

**Results:**

Result is percent reduction of bacteria calculated by following formula:

$$R = (C-A)/C \cdot 100,$$

where

R ... % reduction

A ... arithmetic average of three numbers of bacteria recovered from the inoculated treated test specimen incubated over desired contact period (24 h)

C ... arithmetic average of three numbers of bacteria recovered from the inoculated untreated test specimen immediately after inoculation (0 h)

**TEST RESULTS:**

<b>COMBI 90</b>			
Fibre composition: 100 % polyester			
Woven fabric + fireproof finish + antibacterial treatment + polyurethane finish			
Test Bacteria	Test method	Bacterial reduction R (%)	Uncertainty of the measurement (%)
<i>Klebsiella pneumoniae</i> CNCTC 6120	AATCC 100	> 99,99	0,07
<i>Staphylococcus aureus</i> CCM 4516		> 99,98	0,07

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Head of Testing Laboratory

