



Textilní zkušební ústav

(Textile Testing Institute)
Václavská 6, 65841 Brno, Česká republika

ACCREDITED TESTING LABORATORY No. 1001

TEST REPORT

AZL 14/0690-01

CUSTOMER: FabricAir A/S
Islandsvej 3
4681 Herfølge
Denmark

SAMPLE: COMBI 80
(according to the customer order) Fibre composition: 100 % polyester
Woven fabric + fireproof finish + antibacterial treatment



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: autoclave (120 °C, 15 min)
- 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:

COMBI 80			
Fibre composition: 100 % polyester			
Woven fabric + fireproof finish + antibacterial treatment			
Test Bacteria	Test method	Bacterial reduction R (%)	Uncertainty of the measurement (%)
<i>Klebsiella pneumoniae</i> CNCTC 6120	AATCC 100	> 99,91	0,02
<i>Staphylococcus aureus</i> CCM 4516		> 99,91	0,03

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