



Textilní zkušební ústav

TEXTILNÍ ZKUŠEBNÍ ÚSTAV, s.p.
(TEXTILE TESTING INSTITUTE)
CERTIFICATION BODY FOR THE CERTIFICATION OF PRODUCTS
VÁCLAVSKÁ 6, 658 41 BRNO

issues

to the applicant: **PŘÍHODA s.r.o., Za Radnicí 476, 539 01 Hlinsko v Čechách, Czech Republic**

TESTIMONIAL

No.: 15 – 186

This testimonial confirms that the product:

fabric NMI (fabric with antibacterial treatment)

- new fabric

- fabric after 10 cycles of washing 40°C

Material composition: 100% polyester

Colour: white, mass per unit area 220 g.m⁻², thickness 0,31 mm

complies with the requirements of:

- **EN ISO 20743 Textiles – EN ISO 20645 Textile fabrics – Determination of antibacterial activity of textile products** regarding to antibacterial activity of the antibacterial treatment – Annex F, Table F.1 (*fabric new and after 10 cycles of washing 40°C*)

Based upon the acquired level of antibacterial activity it has been proved that the assessed sample produces good antibacterial efficiency – strong antibacterial activity.


Good antibacterial efficiency was detected on new PMI fabric and on PMI fabric after 10 cycles of washing 40°C.

This testimonial has been issued on the basis of the application No. COV/15/284 from 29.10.2015. The base for this testimonial is the test protocol No. AZL 15/1023-03 and No. AZL 15/1023-04 from 26.10.2015, issued by the accredited test laboratory of TZÚ Brno. Detailed conditions of testing have been specified in the test protocols.

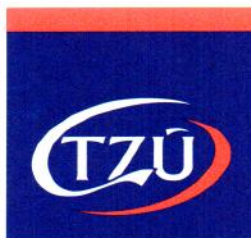
Validity up to: 30.11.2017

Testimonial was issued: Brno, 23.11.2015

Issued by:


Ing. Svatava Horáčková
Head of certification body





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TZÚ Brno, COV, Testimonial 15-186
List: 1/1

Annex No.1

Assessed parameters – **fabric NMI new**

| Characteristic | Test method | Measuring unit | Value required | Value identified | Evaluation |
|---|-----------------|----------------|------------------------------|--|---|
| Fabric NMI – new material, without washing | | | | | |
| Antibacterial efficiency Antibacterial value A - significant - heavy | EN ISO 20743 | - | $2 \leq A < 3$ $A \geq 3$ | A = 6,08 ¹⁾ A = 4,64 ²⁾ | S heavy antibacterial activity |

Assessed parameters – **fabric NMI after 10 cycles of washing**

| Characteristic | Test method | Measuring unit | Value required | Value identified | Evaluation |
|---|-----------------|----------------|------------------------------|--|---|
| Fabric NMI – material after 10 cycles of washing 40 °C | | | | | |
| Antibacterial efficiency Antibacterial value A - significant - heavy | EN ISO 20743 | - | $2 \leq A < 3$ $A \geq 3$ | A = 4,80 ¹⁾ A = 4,64 ²⁾ | S heavy antibacterial activity |

Explanation: S – satisfy ¹⁾ – Gram positive bacterial strain ²⁾ – Gram negative bacterial strain

Reference material: **fabric PMS after 1 cycle of washing** – produces strong growth of bacteria (fabric without antibacterial treatment, 100% polyester, white)

Tested bacteria: 1) Staphylococcus aureus (CCM 4516) - gram positive bacteria
2) Klebsiella pneumoniae (CNCTC 6120) - gram negative bacteria

Assessed material – fabric NMI new and after 10 cycles of washing 40 °C **produces good antibacterial effect – heavy antibacterial activity.**

