

Test Report **AWE-19-1792** 04.06.19 LKa/FR

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Company **ABITEX SRL**

Material woven fabric, PP flam retard , light brown,
 coupled with a membrane of PU flam retard
 treated with 100 g/l **RUCO-BAC AGL** (dried at 100 °C)

Subject assessment of the antibacterial effect

Tests and Results

Lab N°: LKa 115	<p>Antibacterial Activity Test institute: Biotechtesting Services, Mumbai/India Test method: AATCC 100:2012 Bacteria contact: 37 °C/20 h</p> <p style="text-align: center;">Reduction of Bacteria</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> Test strains: Staphylococcus aureus (ATCC 6538) </td> <td style="width: 50%; vertical-align: top;"> Klebsiella pneumoniae (ATCC 4352) </td> </tr> </table>		Test strains: Staphylococcus aureus (ATCC 6538)	Klebsiella pneumoniae (ATCC 4352)
Test strains: Staphylococcus aureus (ATCC 6538)	Klebsiella pneumoniae (ATCC 4352)			
number for external testing BTS: 12452 woven fabric, PP flam retard, coupled with PU membrane flame retard antibacterial finish with 100 g/l RUCO-BAC AGL	99.99 %	99.81 %		
lab control of the activity of the used bacteria:	no reduction of bacteria, but increase of titre	no reduction of bacteria, but increase of titre		

***) The test strain *Staphylococcus aureus* belongs to the group of the Gram-positive bacteria. Textiles are able to store humidity and heat and they offer a very large surface, that – beside others – can catch soil particles. Thus they offer an ideal biosphere for bacteria and support their growth. If necessary, **RUCO-BAC AGL** sets free silver ions with antimicrobial effect. Due to the triple mechanism, that is typical for silver, **RUCO-BAC AGL** prevents bacterial growth and their colonization on the textile surface.

Note: Presentation of data should not be construed as a public health claim.