

Technical Service Report

AWE-13-3870

26.11.13 FR

For the attention of:

Création Baumann AG

Ref.:

submission LOG/prg dated 30.10.13

Material:

PES woven fabrics, with antibacterial finish
art. Basic IV UN, beige coloured
before and after 10 times laundering at 60 °C

Subject:

assessment of the antibacterial effects

Tests and Results:

N°. for external tests	Lab-N° LF PES woven fabrics, with antibacterial finish	Antimicrobial Activity Test institute: Biotech Testing Services(BTS), Mumbai Test method: mod. ASTM E 2149-10 method Dynamic shake flask test Test bacteria: Staphylococcus aureus (ATCC 6538) **) Bacteria contact: room temperature, 24 h Reduction of Bacteria
BTS 7220	art. Basic IV UN, beige original / before laundering	>99.99 %
BTS 7221	art. Basic IV UN, beige 10 times laundered 60 °C	97.10 %
	lab control *)	no reduction of bacteria; but increase of titre

*) fabric, without antibacterial finish, for control of the activity of the used test strain

) 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 AGP sets free silver ions with antimicrobial effect. Due to the triple mechanism, that is typical for silver, **RUCO-BAC AGP** prevents bacterial growth and their colonization on the textile surface.

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