

Technical Service Report **AWE-20-1146** 15.05.20 FR

FAO RUDOLFCHEMIE POLSKA Sp.Z.O.O.

Reference 01/04/20 Mr. Piotr Halat

Company **COVERTEX/CEJAX**

Material PES woven fabric, white
 treated with 25 g/l FC
 5 g/l **RUCO-BAC AGP**
 10 g/l **RUCOWET FN**

Subject assessment of the antimicrobial properties
 initial and after 10 and 20 washes 40 °C

Tests and Results

Lab N°: KV 152	Antibacterial Activity Test method: ASTM E 2149-13a mod. (dynamic shake flask test) Bacteria contact: room temperature, 24 h Test strain: Staphylococcus aureus (ATCC 6538 **)		
	Reduction of Bacteria - % -		
	initial	after 10 washes	after 20 washes
Number for external tests *)	13 315	13 316	13 317
PES woven fabric, white treated with 25 g/l FC 5 g/l RUCO-BAC AGP 10 g/l RUCOWET FN	>99.99	>99.99	>99.99
lab control, untreated fabric for validity check	no reduction of bacteria, but increase of titre		

*) N° for external tests

*) The bacteria strain *Staphylococcus aureus* is a gram-positive, dermal bacteria on the human skin. Sweat is the nutritional basis for bacteria. When utilizing this nutritional basis volatile decomposition products (e.g. butyric acid) which have an unpleasant smell are set free. As modern garments readily absorb and transfer the sweat, this procedure takes place preferably on and in the textile. All textiles are ideal living spaces for bacteria.

With **RUCO-BAC AGP** this unpleasant smell will be inhibited. If necessary, silver ions with antimicrobial effect of **RUCO-BAC AGP** are set free from a micro-scale titanium dioxide deposit. Their silver-specific, triple mechanism prevents the formation of bacteria-related odour on the textile.

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