

Technical Service Report

AWE-23-103

13.02.23 FR/WO



FAO

Création Baumann AG

Reference

Letter from 10.01.23

Material

Knitted fabric, light green knitted/mesh fabric
antibacterial treatment with **RUCO-BAC AGP**
Article: ZONA , Color: F50639

Subject

**assessment of antibacterial effects acc. to
ASTM E 2149-20 mod.
Original and after 10 washes at 60 °C**

Tests and results

Lab N° PL 10	knitted fabric, light green antibacterial treatment with RUCO-BAC AGP Article ZONA Color F50639	Test N°	Antibacterial Activity¹⁾ Test institute: RUDOLF Service Lab Textile /SLT Test method: ASTM E 2149-20 mod. Dynamic Shake Flask Test Bacteria contact: 24 h Test strain: Staphylococcus aureus (ATCC 6538) Reduction of Bacteria
16 071 SLT 11	original		99,99 %
16 072 SLT 1	after 10 washes at 60 °C		89,73 %
	untreated lab control		no bacteria reduction

*) 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.

RUCO-BAC AGP prevents this unpleasant odour development by releasing antimicrobial silver ions when required. These prevent the odour caused by bacteria on the textile through the triple mechanism specific to silver.

Notes

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

The above antibacterial test results were determined according to the mentioned test method against the mentioned bacteria strains and under the mentioned test conditions by the RUDOLF Application Technology Department in the RUDOLF SERVICE LAB TEXTILE (SLT) on your behalf as a service of RUDOLF.

Please check whether these test results are sufficient for further processing/marketing of the textile.