



**BULGARIAN ACADEMY OF SCIENCES**  
**THE STEPHAN ANGELOFF INSTITUTE OF MICROBIOLOGY**

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Sofia, 18 July 2019

**REPORT**

**For the performance of the assigned work**

**Under contract from 17.04.2019 between Perilis Trading EOOD and the Stephan Angeloff  
Institute of Microbiology for microbiological analysis on probiotic products**

The following three probiotic products of Perilis Trading EOOD are investigated:

- 1) BED Pro-biotic, van der Schoot technology – probiotic neutralizer for mites and allergens;
- 2) ROOM Pro-biotic, van der Schoot technology – hypoallergenic odour neutralizer;
- 3) SHOES Pro-biotic, van der Schoot technology – probiotic odour neutralizer for shoes.

Antimicrobial activity on five pathogenic bacterial strains and one pathogenic fungal strain was evaluated by using the method of the parallel streaks. The test microorganisms included strains recommended by ISO 20776-1/2006 for testing of antimicrobial activity and purchased from the American Type Culture Collection (ATCC). Additionally, strains available in the collection of the Stephan Angeloff Institute of Microbiology (Bulgarian Academy of Sciences) were tested:

- 1) *Staphylococcus aureus*, ATCC 29213,
- 2) *Enterococcus faecalis*, ATCC 29212,
- 3) *Escherichia coli*, ATCC 35218,
- 4) *Pseudomonas aeruginosa*, ATCC 27853,
- 5) *Streptococcus pyogenes*, SAIM 10535,
- 6) *Candida albicans*, CBS 562, The Netherlands

The results obtained showed that all the three products inhibited competitively the growth of the Gram-positive pathogenic bacterial strains (*Staphylococcus aureus*, *Enterococcus faecalis*, *Streptococcus pyogenes*) and the fungus *Candida albicans* plated in parallel streaks near the band of the probiotic microorganisms in the same nutrition milieu.

The figures from the analysis are available in the attached detailed scientific report.

This result confers only to the tested three products and any extrapolation or transfer to other products is responsibility of Perilis Trading EOOD.

**Director:**

**(Prof. Hristo M. Najdenski, DVM, PhD., DSc.)**

