

The influence of the test product on the key organisms of the respective body region was examined.

Information about the tested product:

Manufacturer:

Nerra Inc.

228 Park Avenue South

10003 New York

USA

Name of the product:

Exfoliating glove 150D (black)

Product type:

Final Product

Fibre

Application:

Short body contact

Long body contact

Standard:

Face/Lips

MyMicrobiome Standard 38.10

Body / Neck / Chest / Hands

MyMicrobiome Standard 38.11

Back

MyMicrobiome Standard 38.10

Bottom / Thighs

MyMicrobiome Standard 38.10

Axillary vault

MyMicrobiome Standard 38.12

Scalp

MyMicrobiome Standard 39.10

Infant skin

MyMicrobiome Standard 40.10

Vaginal tract

MyMicrobiome Standard 41.10

Feet

MyMicrobiome Standard 42.10

Mouth

MyMicrobiome Standard 43.10

Nose

MyMicrobiome Standard 44.10

Sample receipt: 19 July 2023

Test result: 1.5

Test period: 09 August 2023 – 23 October 2023

Approved yes/no: yes



Test description

The MyMicrobiome Standard evaluates textile products, that encounter the skin or mucous membrane, in terms of their influence on the microbiome located at a specific body site.

An intact skin microbiome has a fundamental influence on skin health. Products which are to be skin-friendly must also be Microbiome-friendly in order not to unbalance the skin of the user.

The MyMicrobiome Standard evaluates the influence of textile products on the microbial key players of a specific skin or mucous membrane area.

The human microbiome is very individual from person to person.

Each area, however, harbors a characteristic composition of bacteria, viruses and fungi. The test examines the products' influence on the key organisms typical for each skin area and thus offers a standardized procedure.

Various aspects are examined:

The influence of the product on the natural, healthy skin balance.

The skin-commensal bacterium *Staphylococcus epidermidis* keeps the skin with antimicrobial peptides (so-called bacteriocins) and pH adjustments healthy and keeps skin-harmful germs such as *Staphylococcus aureus* in check. The product should not disturb this balance between skin-friendly and skin-harmful bacteria. This sensitive balance is investigated in conjunction with the product.

The influence of the product on the bacterial diversity of the specific body region.

Each body region is colonized by a certain microbial composition. For a healthy skin it is particularly important to maintain this biodiversity. The influence of the product on the respective microbial mixture is examined in the test. The aim is to find as many key organisms as possible after contact with the product.

The influence of the product on the growth behavior of the microbes of the specific body region.

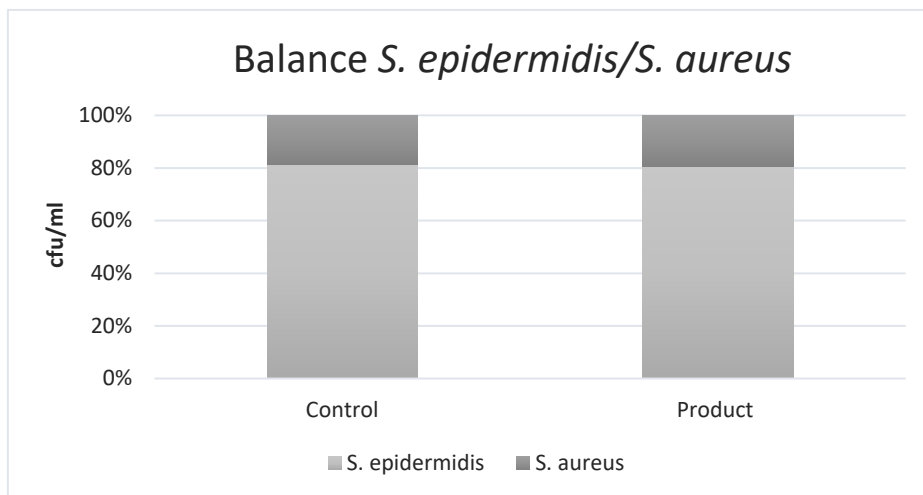
In addition to the diversity of the specific microbiome, the growth or number of different key organisms should not be influenced by the product. This is investigated in a skin-product contact model. The key organisms are brought into direct and indirect contact with the product and their growth is observed.

Results

The influence of the product on the natural, healthy skin balance.

A co-culture of *S. epidermidis* and *S. aureus* is incubated with the product. The ratio of the two microbes to each other is determined.

Determination of the bacterial count at time $t = 15$ min (short body contact) or 4h (long body contact).

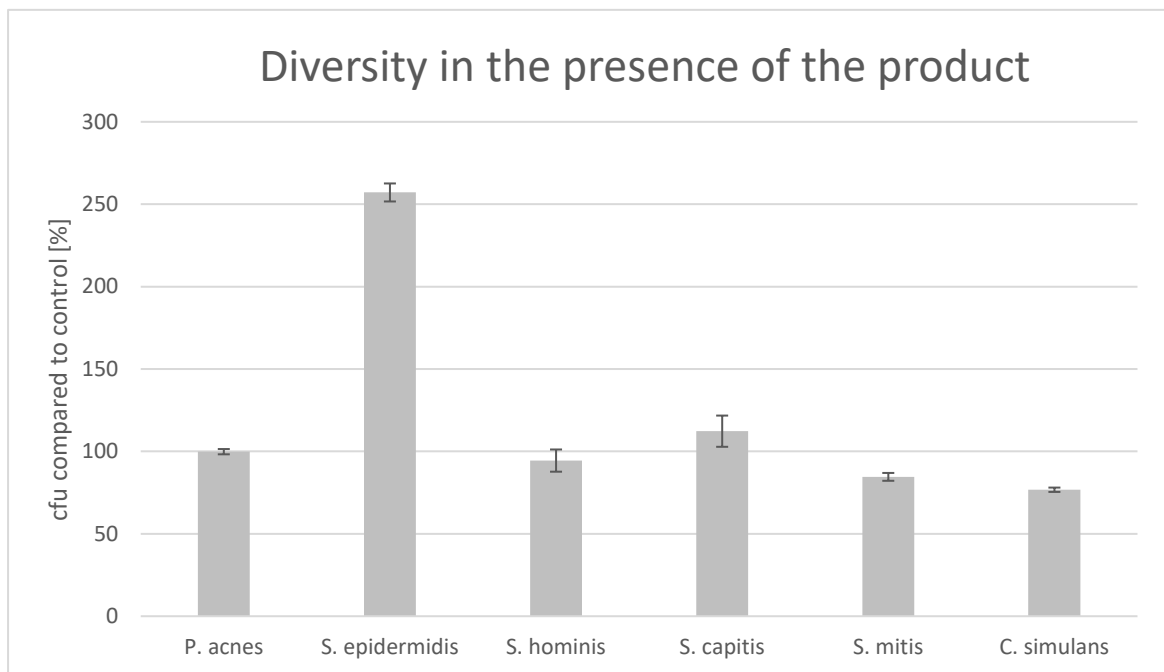


| | cfu/ml | | Ratio Product/ Control | Grade |
|----------------|-----------------------|------------------|---------------------------|-------|
| | <i>S. epidermidis</i> | <i>S. aureus</i> | | |
| Control | 4.1E+03 | 9.5E+02 | 1.0 | 1.0 |
| Product | 2.9E+03 | 7.0E+02 | | |

Results – SEBACEOUS SKIN -

The influence of the product on the microbial diversity of the specific body region.

A co-culture of key organisms of the specific body region is incubated with the product for t = 15 min (short body contact) or 4h (long body contact). The ratio of the bacteria compared to the control (no product) is determined.

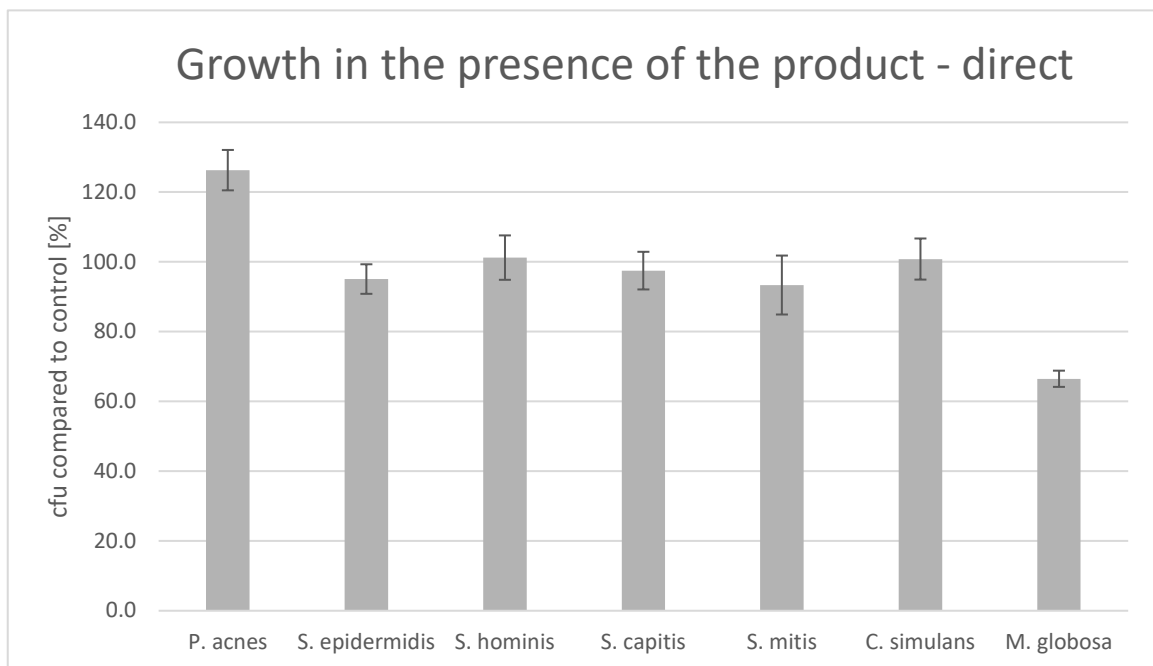


| Key-Microbe | t= | 15 min | Rating |
|------------------------|---------|---------|------------|
| | cfu/ml | | |
| <i>P. acnes</i> | Control | 1.1E+03 | 1 |
| | Product | 1.1E+03 | |
| <i>S. epidermidis</i> | Control | 4.7E+02 | 2 |
| | Product | 1.2E+03 | |
| <i>S. hominis</i> | Control | 2.4E+02 | 1 |
| | Product | 2.3E+02 | |
| <i>S. capitis</i> | Control | 1.9E+02 | 1 |
| | Product | 2.1E+02 | |
| <i>S. mitis</i> | Control | 9.9E+02 | 2 |
| | Product | 8.4E+02 | |
| <i>C. simulans</i> | Control | 8.6E+02 | 2 |
| | Product | 6.6E+02 | |
| Overall rating: | | | 1.5 |

Results – SEBACEOUS SKIN -

The influence of the product on the growth behavior of the microbes of the specific body region – directly.

The influence of the product on the growth of each individual microbe of the key organisms of the specific body region is investigated and put in relation to the control (no product). Product contact with the microorganisms is direct.

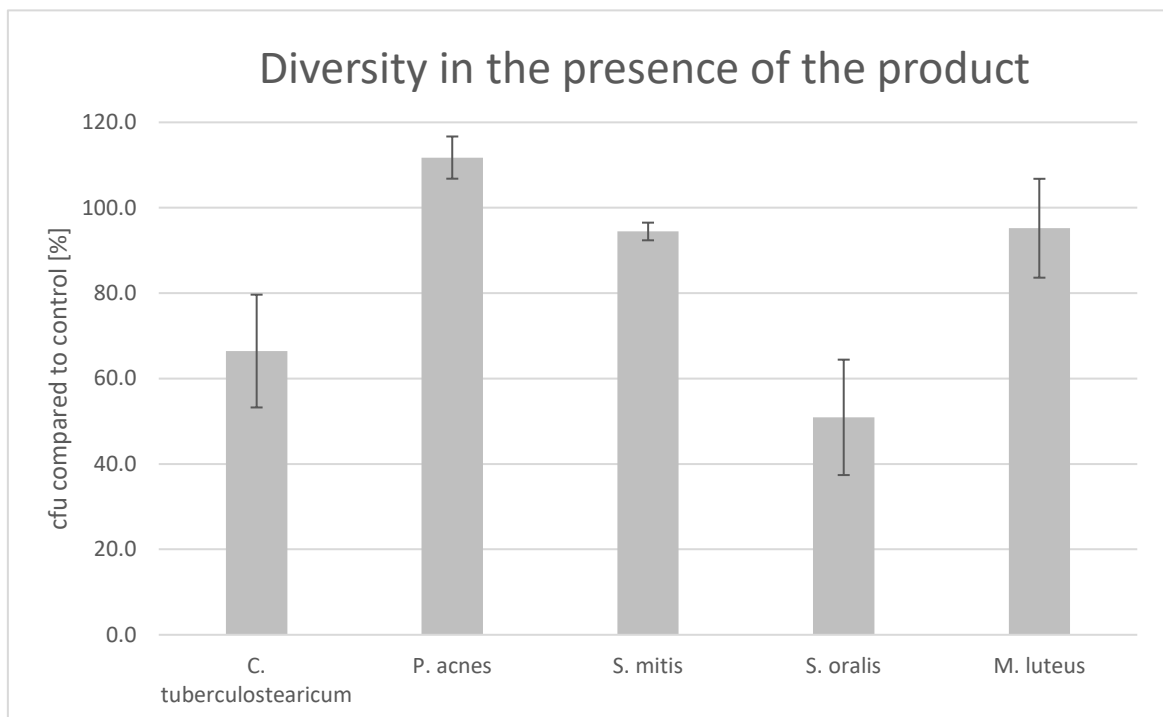


| Key-Microbe | cfu /Plate | | Rating |
|------------------------|------------|-------|------------|
| <i>P. acnes</i> | Control | 102.7 | 1 |
| | Product | 129.7 | |
| <i>S. epidermidis</i> | Control | 189.7 | 1 |
| | Product | 180.3 | |
| <i>S. hominis</i> | Control | 108.7 | 1 |
| | Product | 110.0 | |
| <i>S. capitis</i> | Control | 199.7 | 1 |
| | Product | 194.7 | |
| <i>S. mitis</i> | Control | 211.0 | 2 |
| | Product | 197.0 | |
| <i>C. simulans</i> | Control | 245.3 | 1 |
| | Product | 247.3 | |
| <i>M. globosa</i> | Control | 64.7 | 2 |
| | Product | 43.0 | |
| Overall rating: | | | 1.3 |

Results – DRY SKIN -

The influence of the product on the microbial diversity of the specific body region.

A co-culture of key organisms of the specific body region is incubated with the product for t = 15 min (short body contact) or 4h (long body contact). The ratio of the microbes compared to the control (no product) is determined.

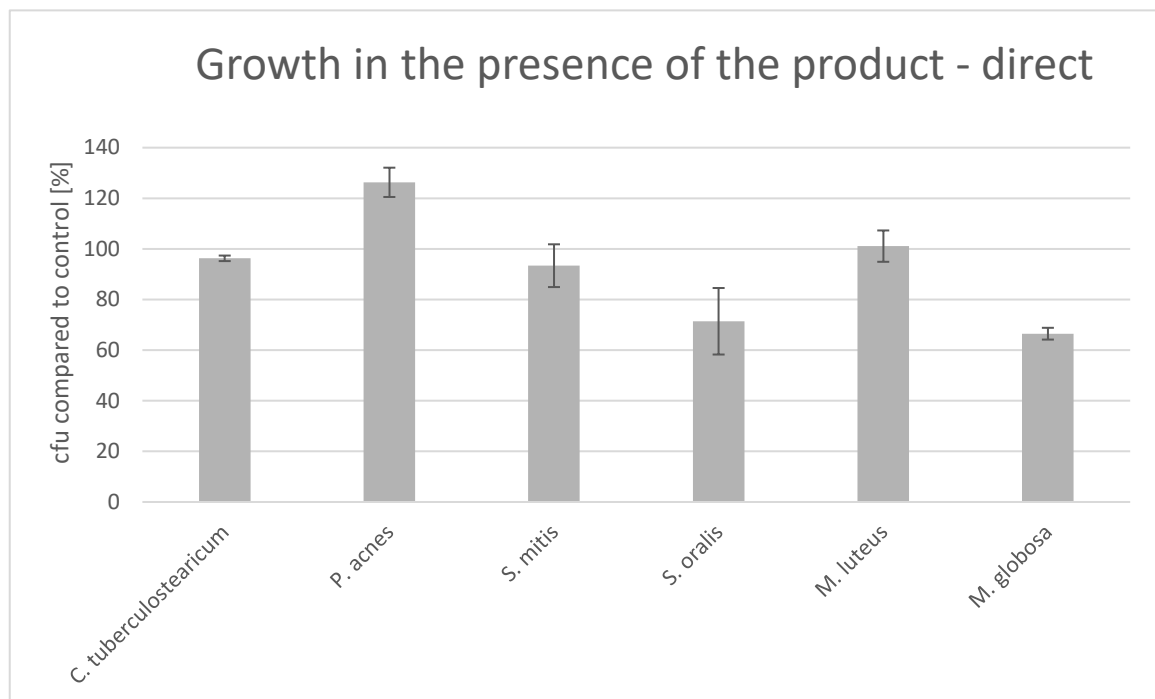


| Key-Microbe | t= | 15 min | Rating |
|------------------------------|---------|---------|------------|
| | cfu/ml | | |
| <i>C. tuberculostearicum</i> | Control | 2.5E+03 | 2 |
| | Product | 1.7E+03 | |
| <i>P. acnes</i> | Control | 5.5E+03 | 1 |
| | Product | 6.2E+03 | |
| <i>S. mitis</i> | Control | 1.4E+04 | 2 |
| | Product | 1.3E+04 | |
| <i>S. oralis</i> | Control | 3.6E+03 | 3 |
| | Product | 1.9E+03 | |
| <i>M. luteus</i> | Control | 2.2E+03 | 1 |
| | Product | 2.1E+03 | |
| Overall rating: | | | 1.8 |

Results – DRY SKIN -

The influence of the product on the growth behavior of the microbes of the specific body region – directly.

The influence of the product on the growth of each individual microbe of the key organisms of the specific body region is investigated and put in relation to the control (no product). Product contact with the microorganisms is directly.



| Key-Microbe | cfu /Plate | | Rating |
|--------------------------------------|------------|--------|--------|
| <i>C. tuberculoostearicum</i> | Control | 1001.3 | 1 |
| | Product | 964.0 | |
| <i>P. acnes</i> | Control | 102.7 | 1 |
| | Product | 129.7 | |
| <i>S. mitis</i> | Control | 211.0 | 2 |
| | Product | 197.0 | |
| <i>S. oralis</i> | Control | 204.0 | 2 |
| | Product | 145.7 | |
| <i>M. luteus</i> | Control | 336.0 | 1 |
| | Product | 339.7 | |
| <i>M. globosa</i> | Control | 64.7 | 2 |
| | Product | 43.0 | |
| Overall rating: | | | 1.5 |



MyMicrobiome Standard

Test report no.: 231.0T0.9

Results

The results are evaluated with grades from 1 (one) to 3 (three). If the product shows no or positive influence to the above-mentioned aspects, a grade of 1 is awarded respectively.

If only a very weak influence can be detected in the tests, the grade 2 is awarded and in case of a significant influence, the product receives the grade 3.

A product passes up to grade 2.0.

Here the grade means

1.0 – 2.0 = Microbiome-friendly; 2.1 – 3.0 = Microbiome-influencing

| Test | Grade |
|--|------------|
| Balance of the skin microbiome | 1.0 |
| Diversity of the corresponding skin microbiome (sebaceous, x2) | 1.5 |
| Diversity of the corresponding skin microbiome (dry, x2) | 1.8 |
| Skin-product contact direct (sebaceous, x2) | 1.3 |
| Skin-product contact direct (dry, x2) | 1.5 |
| Overall grade | 1.5 |

With an overall grade of 1.5 the seal „Microbiome-friendly“ is awarded according to MyMicrobiome Standard 38.10-11.

Place, Date: Balzers, 24 October 2023

Responsible person: Dr. Kristin Neumann

Signature:

A handwritten signature in blue ink, appearing to read 'K. Neumann', is written over a white rectangular background.