

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

Information about the tested product:

Manufacturer:

Sásta Skin Health
Clonmore House, Killeshin, Carlow County
Laois R93, T9Y9
Ireland

Name of the product:

Microbiome Booster Serum



Product type:

Final Product

Ingredient

Application:

Rinse Off

Leave On

Standard:

Face/Lips

MyMicrobiome Standard 18.10

Body / Neck / Chest / Hands

MyMicrobiome Standard 18.10

Back

MyMicrobiome Standard 18.10

Bottom / Thighs

MyMicrobiome Standard 18.10

Axillary vault

MyMicrobiome Standard 18.10

Scalp

MyMicrobiome Standard 19.10

Infant skin

MyMicrobiome Standard 20.10

Vaginal tract

MyMicrobiome Standard 21.10

Feet

MyMicrobiome Standard 22.10

Mouth

MyMicrobiome Standard 23.10

Nose

MyMicrobiome Standard 24.10

Sample receipt: 13 February 2023

Test result Pre-Test: 1.8

Test period: 14 February – 20 March 2023

Approved yes/no: yes; 21 March 2023

Results

The microbial quality of the product.

The prerequisite for the test for microbial friendliness is the microbiological quality of the product.

The following table contains the limit values that must be observed.

Types of organisms	Limit values	
	Products specially designed for children under 3 years, eye area or mucous-skins	Other products
Total counts mesophilic, aerobic microorganisms (bacteria, yeasts, molds, (TAMC and TYMC))	$\leq 1 \times 10^2$ cfu/g or ml ^a	$\leq 1 \times 10^3$ cfu/g or ml ^b
<i>Escherichia coli</i>	Not detectable in 1g or 1 ml	Not detectable in 1g or 1 ml
<i>Pseudomonas aeruginosa</i>	Not detectable in 1g or 1 ml	Not detectable in 1g or 1 ml
<i>Staphylococcus aureus</i>	Not detectable in 1g or 1 ml	Not detectable in 1g or 1 ml
<i>Candida albicans</i>	Not detectable in 1g or 1 ml	Not detectable in 1g or 1 ml

a >200 cfu/g or ml, b >2000 cfu/g or ml

Results Microbiological quality:

Determination of TAMC, TYMC, absence of *E. coli*, *P. aeruginosa* and *S. aureus*.

The microbiological quality of the product according to DIN EN ISO 17516 is fulfilled.

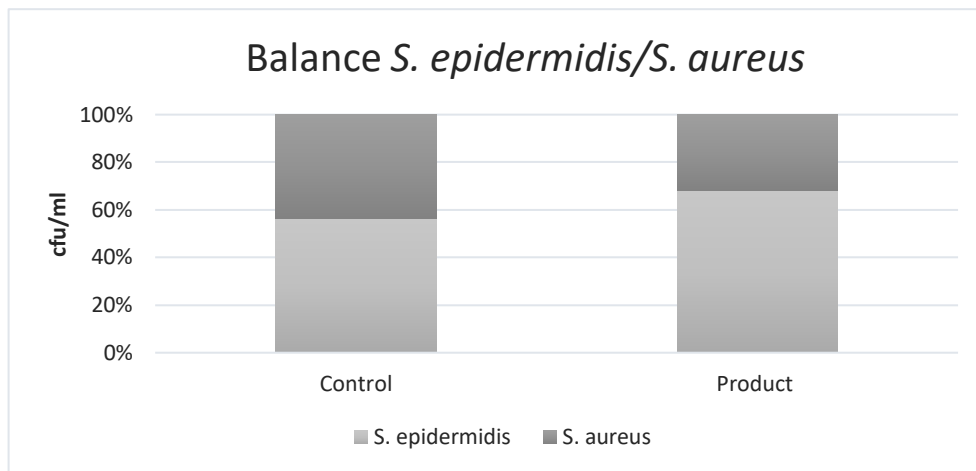
Parameter	Sample no.: 230.260.0
TAMC [cfu/0,1 ml]	< 1,0E+01
TYMC (incl. <i>Candida albicans</i>) [in 0,1 ml]	negative
<i>Escherichia coli</i> [in 0,1 ml]	negative
<i>Pseudomonas aeruginosa</i> [in 0,1 ml]	negative
<i>Staphylococcus aureus</i> [in 0,1 ml]	negative

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 (rinse-off) or 4h (leave-on).

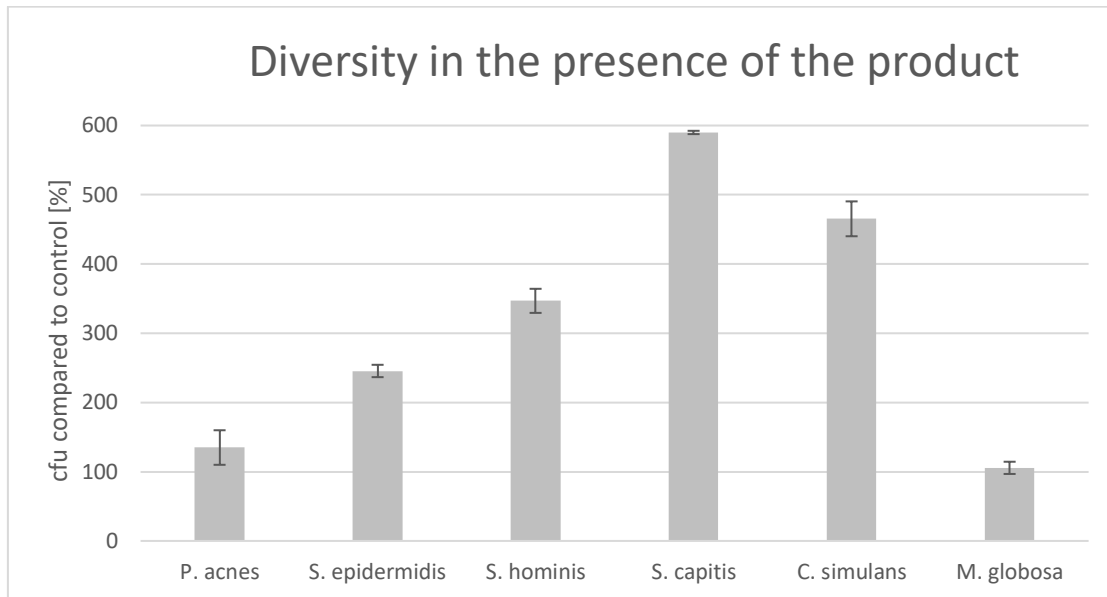


	cfu/ml		Ratio Product/ Control	Grade
	<i>S. epidermidis</i>	<i>S. aureus</i>		
Control	2.8E+03	2.2E+03	1.7	1.0
Product	9.2E+03	4.3E+03		

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 15 min (rinse-off) or 4h (leave-on) The ratio of the bacteria compared to the control (PBS) is determined.

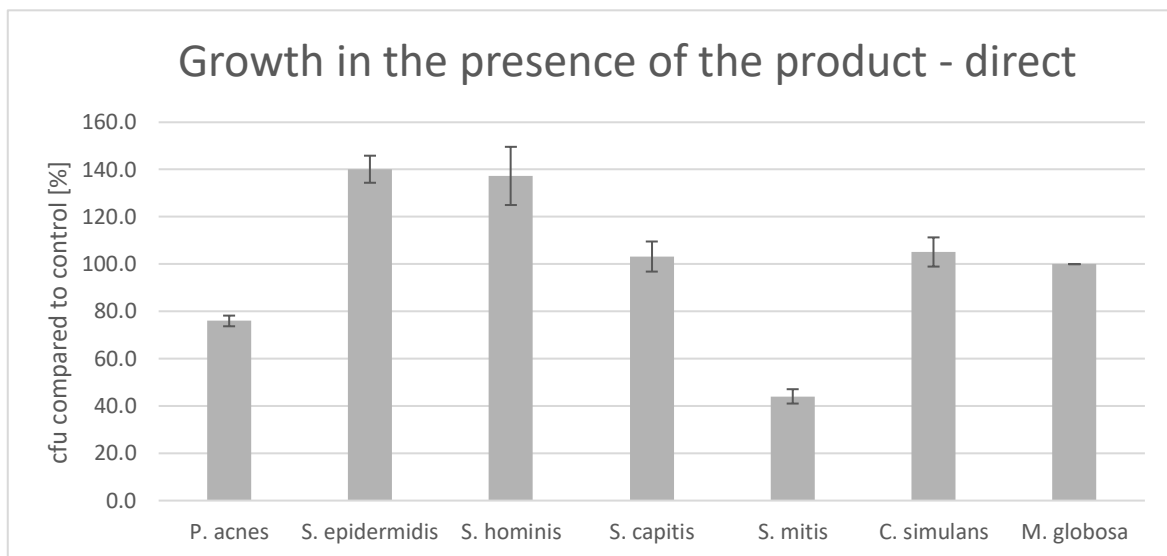


Key-Microbe	t=	4 h	Rating
	cfu/ml		
<i>P. acnes</i>	Control	6.3E+02	2
	Product	8.5E+02	
<i>S. epidermidis</i>	Control	4.3E+03	3
	Product	1.0E+04	
<i>S. hominis</i>	Control	3.6E+03	3
	Product	1.3E+04	
<i>S. capitis</i>	Control	1.5E+03	3
	Product	8.9E+03	
<i>S. mitis</i>	Control	1.0E+01	n a
	Product	0.0E+00	
<i>C. simulans</i>	Control	6.3E+03	3
	Product	2.9E+04	
<i>M. globosa</i>	Control	2.2E+03	1
	Product	2.3E+03	
Overall rating:			2.5

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 (PBS). Product contact with the microorganisms is directly.

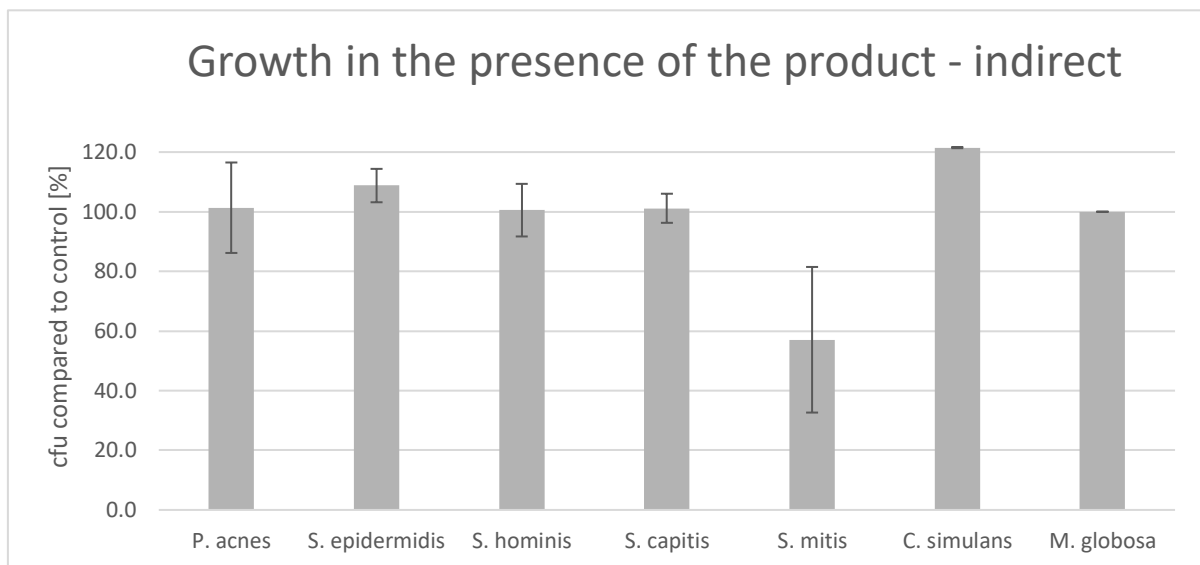


Key-Microbe	cfu /Plate		Rating
<i>P. acnes</i>	Control	441.3	2
	Product	335.3	
<i>S. epidermidis</i>	Control	463.3	2
	Product	649.3	
<i>S. hominis</i>	Control	436.0	2
	Product	598.7	
<i>S. capitis</i>	Control	342.3	1
	Product	353.3	
<i>S. mitis</i>	Control	264.3	3
	Product	116.5	
<i>C. simulans</i>	Control	609.3	1
	Product	640.7	
<i>M. globosa</i>	Control	1.0	1
	Product	1.0	
Overall rating:			1.7

Results – SEBACEOUS SKIN -

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

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 (PBS). The product contact to the microorganisms is indirect.



Key-Microbe	cfu /Plate		Rating
<i>P. acnes</i>	Control	446.0	1
	Product	452.0	
<i>S. epidermidis</i>	Control	456.0	1
	Product	496.0	
<i>S. hominis</i>	Control	634.0	1
	Product	637.3	
<i>S. capitis</i>	Control	346.0	1
	Product	350.0	
<i>S. mitis</i>	Control	269.0	3
	Product	153.5	
<i>C. simulans</i>	Control	716.0	1
	Product	870.0	
<i>M. globosa</i>	Control	100.0	1
	Product	100.0	
Overall rating:			1.3



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 negative influence can be detected in the tests, the grade 2 is awarded and in case of a clearly negative influence, the product receives the grade 3.

The product has passed up to grade 2.0.

Here the grade means

1.0 – 2.0 = Microbiome-friendly; 2.1 – 3.0 = Microbiome-damaging.

Test	Grade
Balance of the skin microbiome	1.0
Diversity of the corresponding skin microbiome (x2)	2.5
Skin-product contact direct (x2)	1.7
Skin-product contact indirect	1.3
Overall grade	1.8

With an overall grade of 1.8 the seal „Microbiome-friendly“ is awarded according to MyMicrobiome Standard 18.10.

Place, Date: Balzers, 21 March 2023

Responsible person: Dr. Kristin Neumann

Signature:

A handwritten signature in blue ink, appearing to read 'Dr. Neumann', is written over the printed name.