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

Information about the tested product:

Manufacturer:
Biossance / THG Beauty Limited
55 Green Street 2nd Floor
CA 94111 San Francisco
USA

Name of the product:
Squalane + Probiotic Gel Moisturizer

Product type:	Final product
Application:	Leave-on
Dilution:	No
Sample received:	09 February 2026
Test Start:	10 February 2026
Test End:	30 March 2026
Test Standard:	**MyMicrobiome Standard 18.10 Face**
Test result:	**2.0**
Certification:	Granted

Test description

The MyMicrobiome Standard evaluates the influence of cosmetics, personal care products and pharmaceuticals on the microbial key players located at a specific skin or mucous membrane site.

An intact skin microbiome has a fundamental influence on skin health. Skin-friendly products must also be microbiome-friendly and ensure the maintenance of the balance among the skin microorganisms of the user.

Every person's microbiome is unique. Each body area, however, harbors a characteristic composition of bacteria, viruses and fungi. The test examines the product's influence on the key organisms typical for each skin area and thus offers a standardized procedure.

Various aspects are examined:

The microbial quality of the product.

To be evaluated according to our standard, the product needs to be free of contaminants. This is verified in the microbial quality test.

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

The skin-commensal bacterium *Staphylococcus epidermidi*s produces antimicrobial peptides (so-called bacteriocins) and regulates skin pH, which keeps harmful microorganisms, such as *Staphylococcus aureus* in check. The product should not disturb the balance between friendly and 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 set of microorganisms. For healthy microbiome, it is particularly important to maintain this biodiversity. The influence of the product on the respective microbial composition 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 microorganisms in a specific body area, the growth of the individual key organisms should not be influenced by the product. The key organisms are brought into direct and indirect contact with the product and their growth is observed.

Results

The microbiological quality of the product.

The prerequisite for the test for microbial friendliness is the microbiological quality of the product based on DIN ISO 17516. The following table contains the limit values for contaminants that must be observed.

Types of organisms	Limit values
Total aerobic microbial count (TAMC) and total combined yeasts/ moulds count (TYMC)	≤ 20 cfu*/g or ml

* colony forming units (cfu)

Results microbiological quality

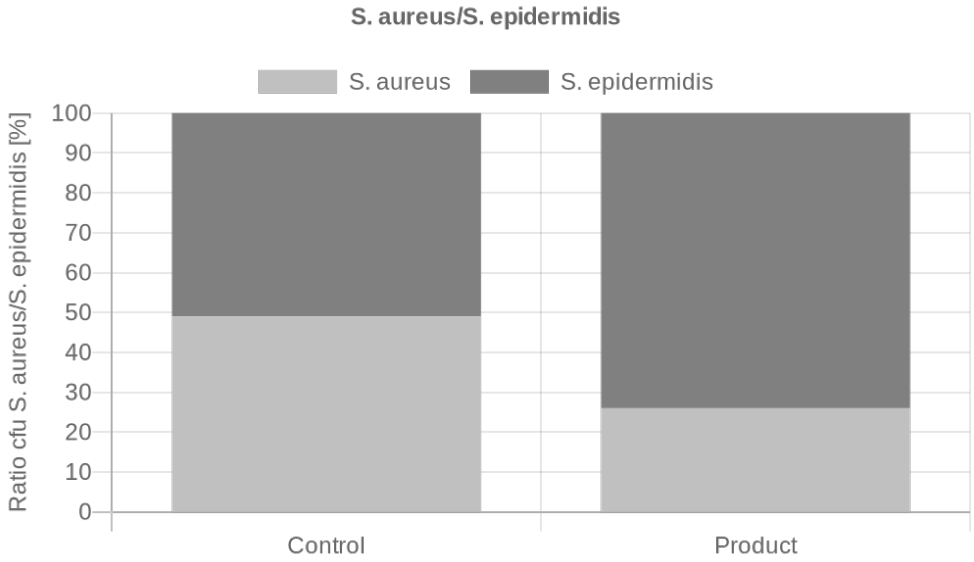
Parameter	Sample no.: 26.1211.18.1
TAMC and TYMC [cfu/0,1 ml]	< 20

The microbiological quality of the product is fulfilled.

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 for 15 min (rinse-off) or 4h (leave-on). Bacterial counts are determined, the ratio of the two microbes to each other is assessed and compared to the control sample (PBS).

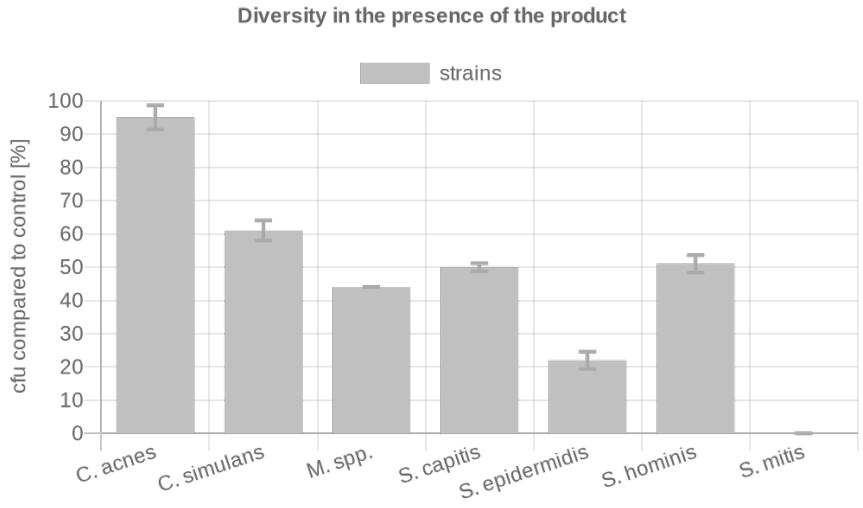


	cfu/ml		Ratio Product/ Control	Grade
	S. aureus	***S. epidermidis***		
Control	2170	2253.3	2.7	**1.0**
Product	1180	3360		

Results

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). Bacterial colonies are counted, and the ratio of the cfu in the presence of the product compared to the control (PBS) is determined.

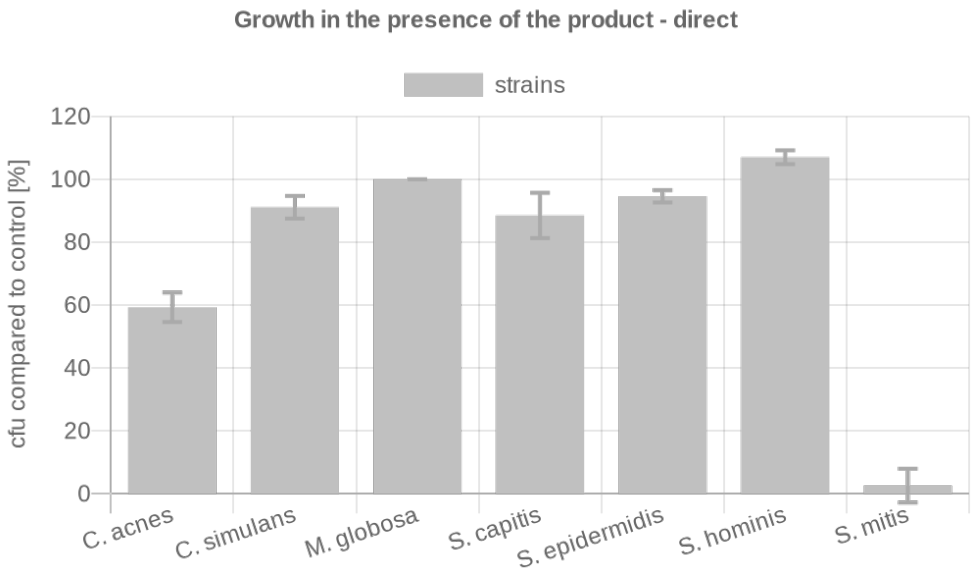


Key-Microbe	t=	4h	Rating
	cfu/ml		
C. acnes	Control	410	1
	Product	390	
C. simulans	Control	113.7	3
	Product	69.5	
M. spp.	Control	90	3
	Product	40	
S. capitis	Control	1180	3
	Product	585	
S. epidermidis	Control	2700	3
	Product	596.7	
S. hominis	Control	1163.3	3
	Product	596.7	
S. mitis	Control	94	3
	Product	0	
Overall rating:			**2.7**

Results

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

The influence of the product on the growth of each individual key organism of the specific body region is investigated and the ratio of the cfu in the presence of the product is calculated in % relative to the control sample (PBS). Product contact with the microorganisms is direct.

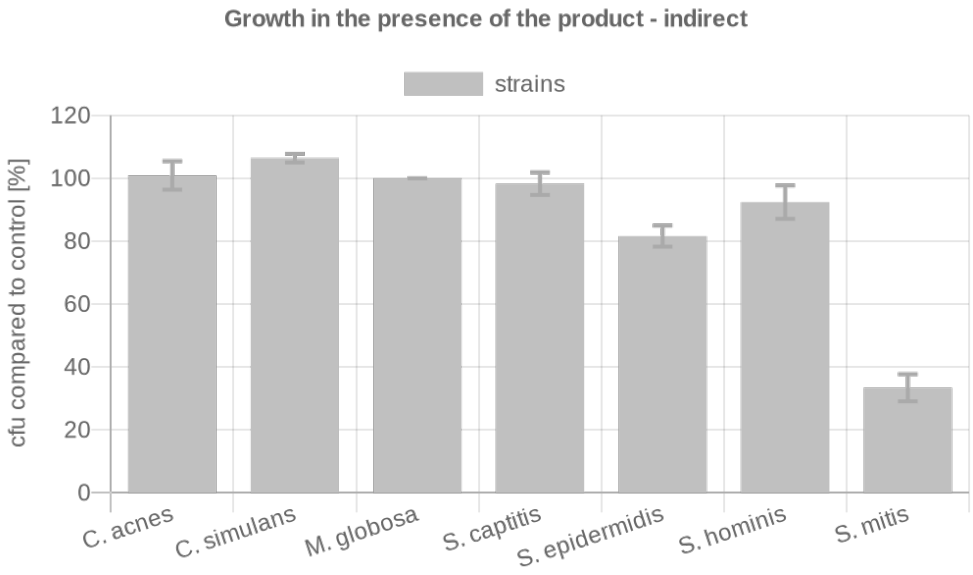


Key-Microbe	cfu/ml		Rating
C. acnes	Control	400	3
	Product	237	
C. simulans	Control	322	2
	Product	293.5	
M. globosa	Control	100	1
	Product	100	
S. capitis	Control	354.7	2
	Product	314	
S. epidermidis	Control	511.5	2
	Product	483.7	
S. hominis	Control	521.3	1
	Product	558	
S. mitis	Control	1000.3	3
	Product	26	
Overall rating:			**2.0**

Results

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 key organism of the specific body region is investigated and the ratio of the cfu in the presence of the product is calculated in % relative to the control sample (PBS). Product contact with the microorganisms is indirect.



Key-Microbe	cfu/ml		Rating
C. acnes	Control	249.7	1
	Product	252	
C. simulans	Control	996.7	1
	Product	1060.3	
M. globosa	Control	100	1
	Product	100	
S. captitis	Control	433	1
	Product	425.7	
S. epidermidis	Control	410.3	2
	Product	334.7	
S. hominis	Control	177.5	2
	Product	164	
S. mitis	Control	194.7	3
	Product	65	
Overall rating:			**1.6**

Results

The results are evaluated with grades from 1 (one) to 3 (three).

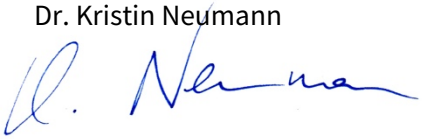
The product has passed if it obtains grades between 1.0 and 2.0.

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 (x2)	2.7
Skin-product contact direct (x2)	2.0
Skin-product contact indirect	1.6
Overall grade	**2.0**

With an overall grade of 2.0 the seal „Microbiome-friendly“ is awarded according to MyMicrobiome Standard 18.10 Face.

Place, Date: Hauptwil, 30 March 2026

Responsible person: Dr. Kristin Neumann

Signature: