

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

Information about the tested product:

Manufacturer:

LoveSkin
Stenjevcica 7
10090 Zagreb
Croatia

Name of the product:

Bubble Boom/Hahari

Product type:	Final product
Application:	Rinse-off
Dilution:	8.25% in PBS
Sample received:	06 October 2025
Test Start:	22 October 2025
Test End:	20 November 2025
Test Standard:	MyMicrobiome Standard 18.11 Face / Body
Test result:	2.0
Certification:	granted

Test description

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

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 epidermidis* 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

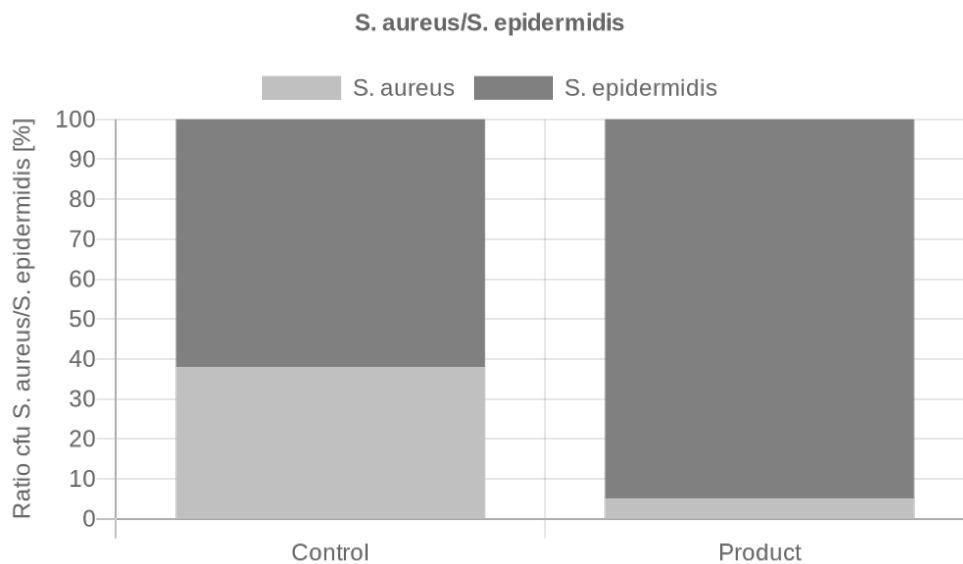
Parameter	Sample no.: 25.1131.18.2
TAMC and TYMC [cfu/0,1 ml]	< 20

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).

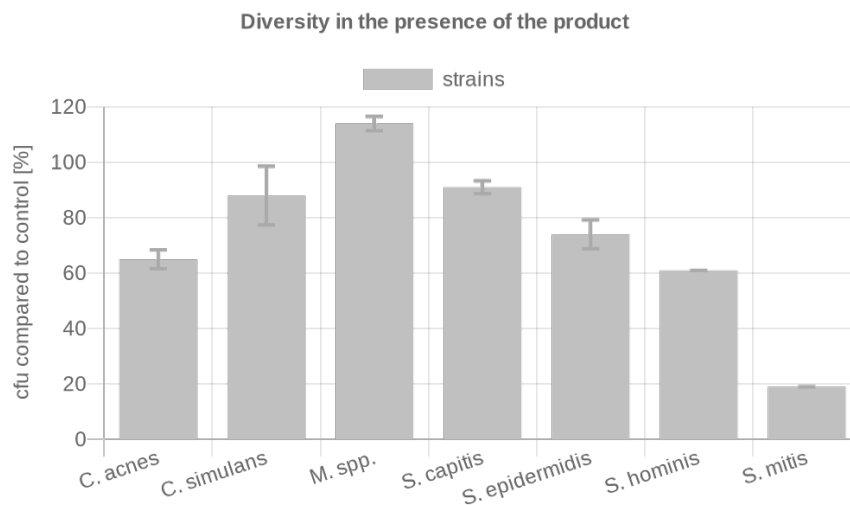


	cfu/ml		Ratio Product/ Control	Grade
	<i>S. aureus</i>	<i>S. epidermidis</i>		
Control	1266.7	2053.3	11.9	1.0
Product	86.7	1666.7		

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

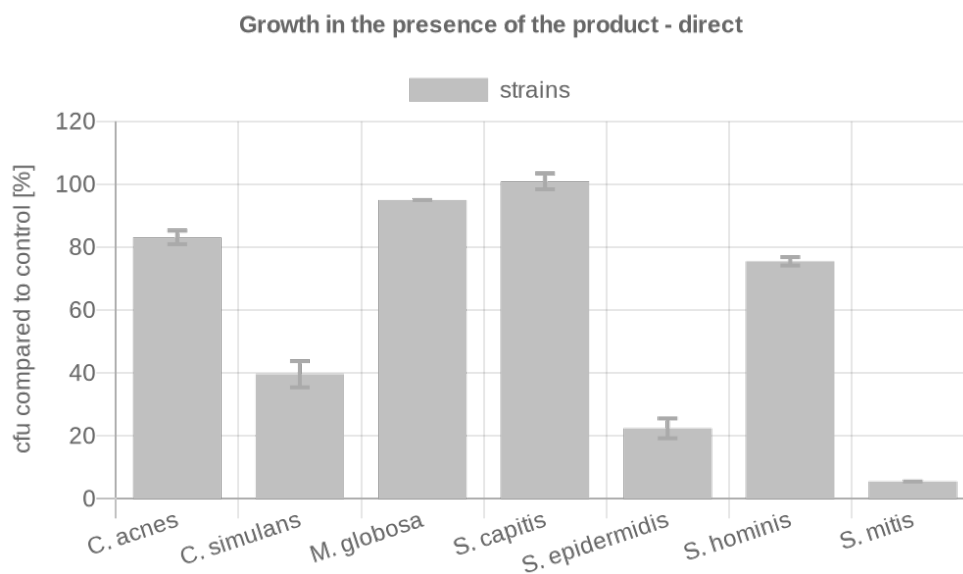


Key-Microbe	t=	15min	Rating
	cfu/ml		
<i>C. acnes</i>	Control	7280	3
	Product	4720	
<i>C. simulans</i>	Control	993.3	1
	Product	876.7	
<i>M. spp.</i>	Control	6893.3	1
	Product	7866.7	
<i>S. capitis</i>	Control	1366.7	2
	Product	1240	
<i>S. epidermidis</i>	Control	300	2
	Product	223.3	
<i>S. hominis</i>	Control	115	2
	Product	70	
<i>S. mitis</i>	Control	105	3
	Product	20	
Overall rating:			2.0

Results – SEBACEOUS SKIN –

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 microorganisms is direct.

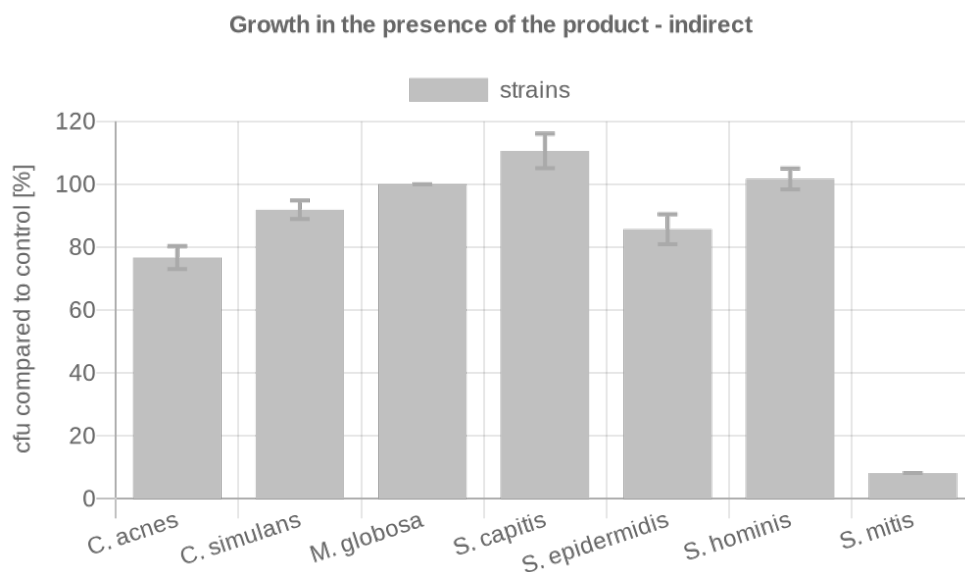


Key-Microbe	cfu/ml		Rating
C. acnes	Control	592	2
	Product	492	
C. simulans	Control	485.3	3
	Product	192	
M. globosa	Control	100	1
	Product	95	
S. capitis	Control	1945.3	1
	Product	1962.7	
S. epidermidis	Control	1728	3
	Product	386.7	
S. hominis	Control	1590	2
	Product	1200	
S. mitis	Control	36.3	3
	Product	2	
Overall rating:			2.1

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 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 microorganisms is indirect.

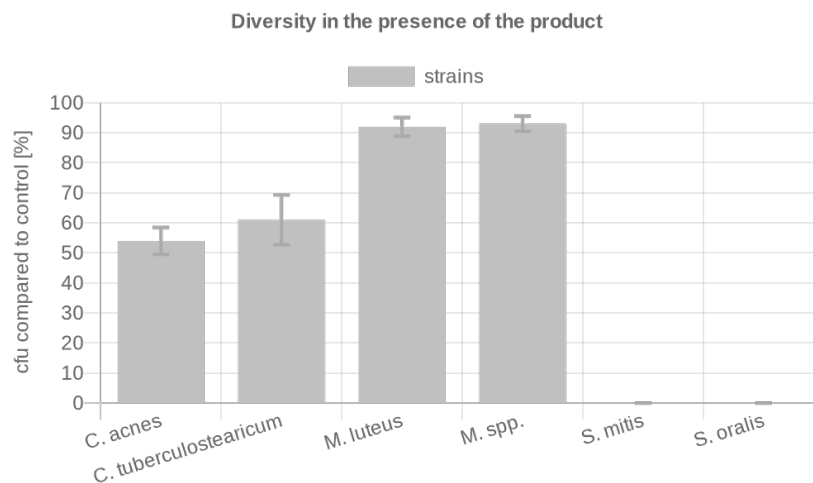


Key-Microbe	cfu/ml		Rating
	Control	Product	
C. acnes	Control	434.7	2
	Product	333.3	
C. simulans	Control	296	2
	Product	272	
M. globosa	Control	100	1
	Product	100	
S. capitis	Control	528	1
	Product	584	
S. epidermidis	Control	392	2
	Product	336	
S. hominis	Control	118	1
	Product	120	
S. mitis	Control	61	3
	Product	5	
Overall rating:			1.7

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



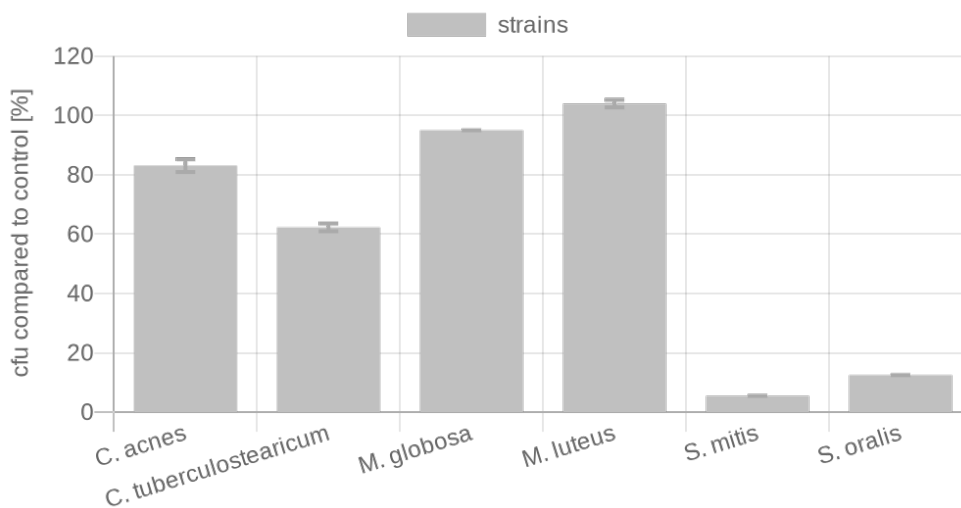
Key-Microbe	t=	15min	Rating
	cfu/ml		
<i>C. acnes</i>	Control	576,7	3
	Product	310	
<i>C. tuberculostearicum</i>	Control	1120	2
	Product	680	
<i>M. luteus</i>	Control	1950	2
	Product	1800	
<i>M. spp.</i>	Control	10070	2
	Product	9370	
<i>S. mitis</i>	Control	205	3
	Product	0	
<i>S. oralis</i>	Control	45	3
	Product	0	
Overall rating:			2.5

Results – DRY SKIN –

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 microorganisms is direct.

Growth in the presence of the product - direct

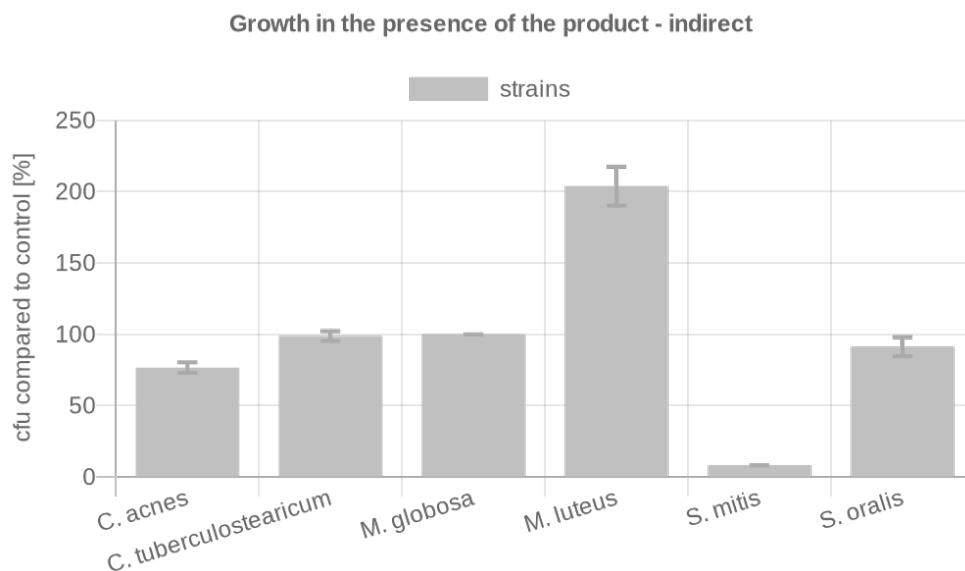


Key-Microbe	cfu/ml		Rating
C. acnes	Control	592	2
	Product	492	
C. tuberculostearicum	Control	2581.3	3
	Product	1608	
M. globosa	Control	100	1
	Product	95	
M. luteus	Control	318.7	1
	Product	331.3	
S. mitis	Control	36.3	3
	Product	2	
S. oralis	Control	8	3
	Product	1	
Overall rating:			2.2

Results – DRY 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 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 microorganisms is indirect.



Key-Microbe	cfu/ml		Rating
C. acnes	Control	434.7	2
	Product	333.3	
C. tuberculostearicum	Control	2262	1
	Product	2235	
M. globosa	Control	100	1
	Product	100	
M. luteus	Control	38	3
	Product	77.5	
S. mitis	Control	61	3
	Product	5	
S. oralis	Control	165	2
	Product	150.7	
Overall rating:			2.0

Results

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

The product has passed if it obtains an overall grade 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 (sebaceous, x2)	2.0
Diversity of the corresponding skin microbiome (dry, x2)	2.5
Skin-product contact direct (sebaceous, x2)	2.1
Skin-product contact direct (dry, x2)	2.2
Skin-product contact indirect (sebaceous)	1.7
Skin-product contact indirect (dry)	2.0
Overall grade	2.0

With an overall grade of 2.0 the seal „Microbiome-friendly“ is awarded according to MyMicrobiome Standard 18.11 Face / Body.

Place, Date: Hauptwil, 20 November 2025

Responsible person: Dr. Kristin Neumann

Signature:

