

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

Information about the tested product:

Manufacturer:

AAK Sweden AB
Pulpegatan 20
SE 215 37 Malmö
Sweden

Name of the product:

Lipex SheaSolve

Product type:	Ingredient
Application:	Leave-on
Dilution:	No
Sample received:	27 November 2025
Test Start:	27 November 2025
Test End:	11 December 2025
Test Standard:	MyMicrobiome Standard 18.11 Face / Body
Test result:	1.6
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

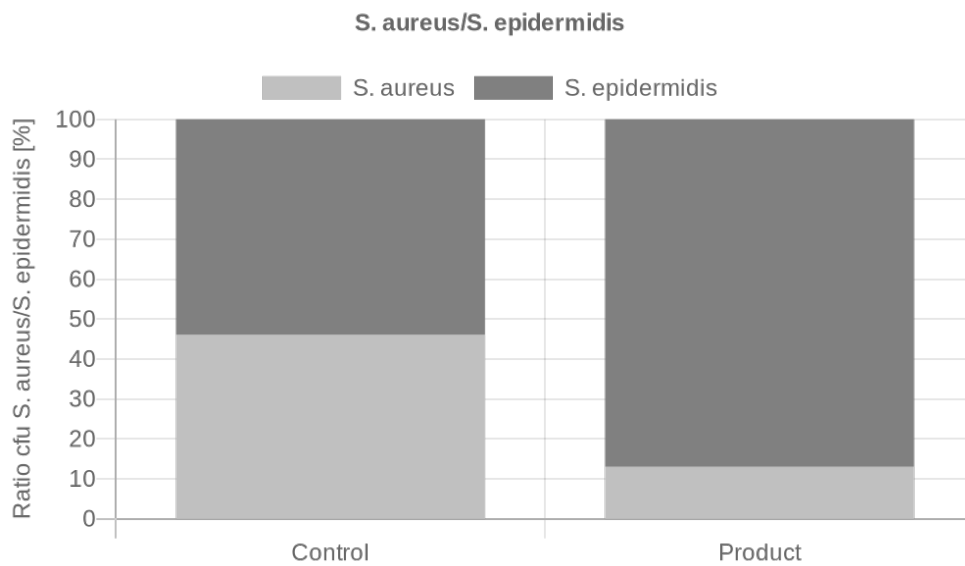
Parameter	Sample no.: 25.1143.18.1
TAMC and TYMC [cfu/0,1 ml]	< 20

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).

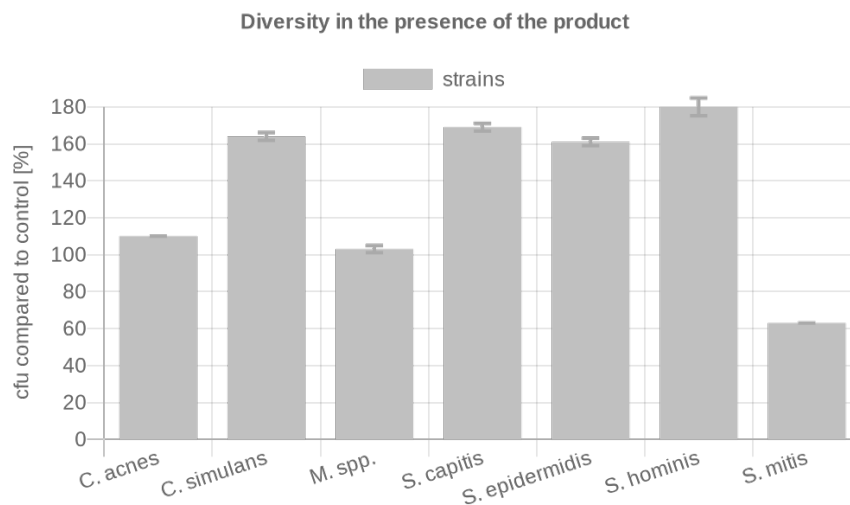


	cfu/ml		Ratio Product/ Control	Grade
	<i>S. aureus</i>	<i>S. epidermidis</i>		
Control	6900	8133.3	5.7	1.0
Product	2300	15500		

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.

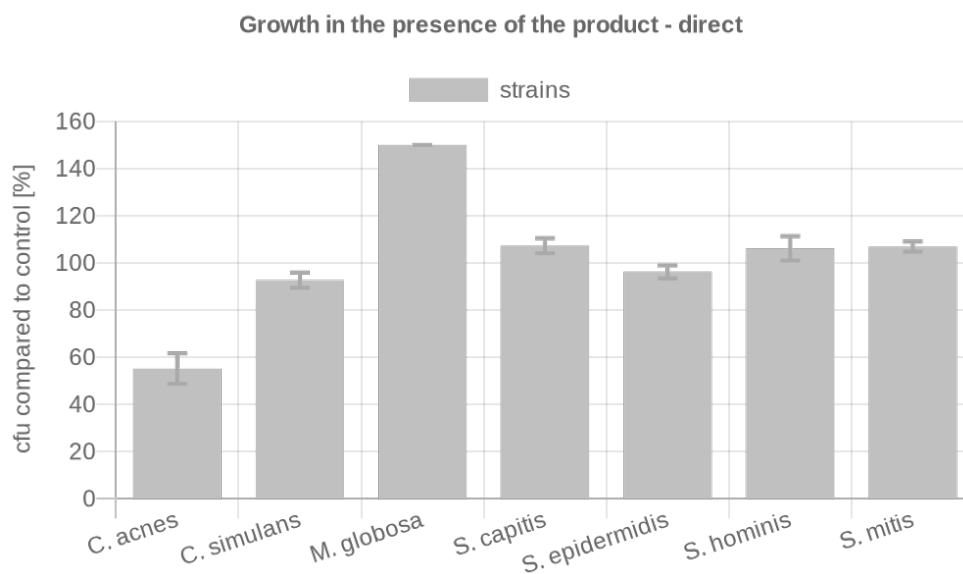


Key-Microbe	t=	4h	Rating
	cfu/ml		
C. acnes	Control	410	1
	Product	450	
C. simulans	Control	1250	2
	Product	2050	
M. spp. confluence	Control	109800	1
	Product	112800	
S. capitis	Control	1586.7	3
	Product	2680	
S. epidermidis	Control	635	2
	Product	1023.3	
S. hominis	Control	505	3
	Product	910	
S. mitis	Control	205	3
	Product	130	
Overall rating:			2.1

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.

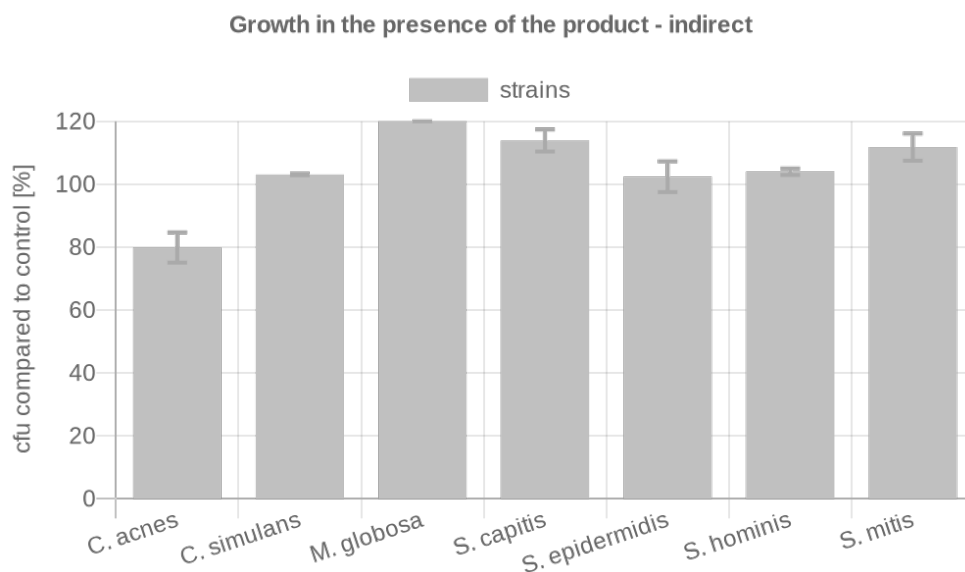


Key-Microbe	cfu/ml		Rating
C. acnes	Control	478	3
	Product	264	
C. tuberculostearicum	Control	982.3	2
	Product	602.3	
M. globosa confluence	Control	100	2
	Product	150	
M. luteus	Control	611	3
	Product	303.3	
S. mitis	Control	131	1
	Product	140	
S. oralis	Control	19.5	3
	Product	34.5	
Overall rating:			2.3

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.

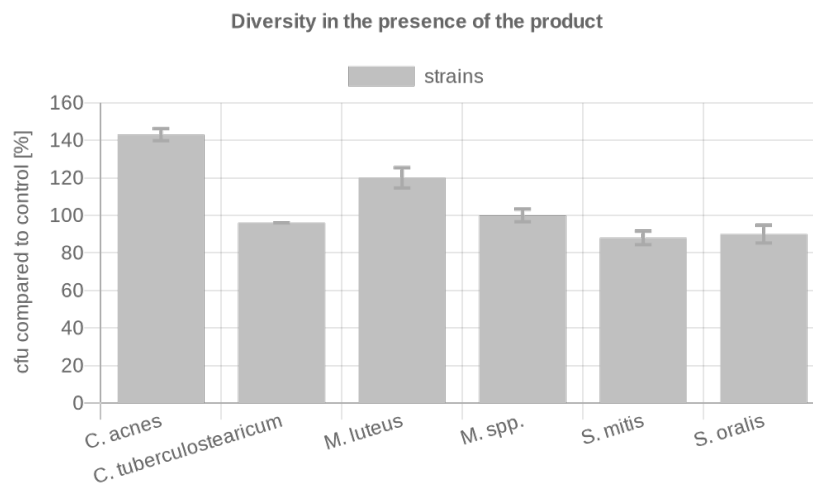


Key-Microbe	cfu/ml		Rating
C. acnes	Control	330.5	2
	Product	264	
C. simulans	Control	419	1
	Product	432	
M. globosa confluence	Control	100	1
	Product	120	
S. capitis	Control	526.7	1
	Product	599.7	
S. epidermidis	Control	718.3	1
	Product	735.3	
S. hominis	Control	375.5	1
	Product	390.7	
S. mitis	Control	155.7	1
	Product	174	
Overall rating:			1.1

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.



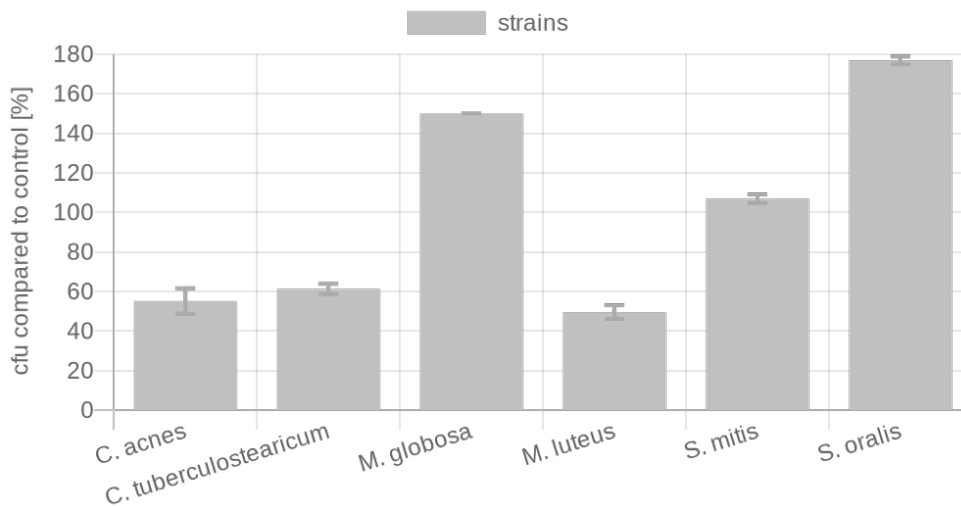
Key-Microbe	t=	4h	Rating
	cfu/ml		
<i>C. acnes</i>	Control	545	2
	Product	776,7	
<i>C. tuberculostearicum</i>	Control	135	1
	Product	130	
<i>M. luteus</i>	Control	2310	1
	Product	2770	
<i>M. spp. confluence</i>	Control	98200	1
	Product	98600	
<i>S. mitis</i>	Control	366,7	1
	Product	323,3	
<i>S. oralis</i>	Control	136,7	1
	Product	123,3	
Overall rating:			1.2

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

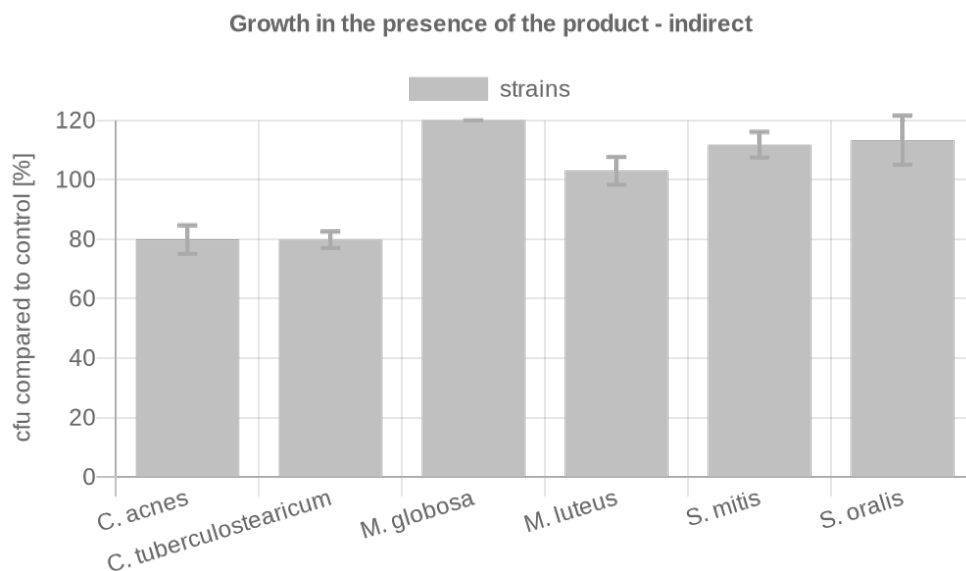


Key-Microbe	cfu/ml		Rating
<i>C. acnes</i>	Control	478	3
	Product	264	
<i>C. simulans</i>	Control	454	1
	Product	420.7	
<i>M. globosa confluence</i>	Control	100	2
	Product	150	
<i>S. capitis</i>	Control	535	1
	Product	574	
<i>S. epidermidis</i>	Control	755.7	1
	Product	727	
<i>S. hominis</i>	Control	349	1
	Product	370.5	
<i>S. mitis</i>	Control	131	1
	Product	140	
Overall rating:			1.4

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	330.5	2
	Product	264	
C. tuberculostearicum	Control	1015.7	2
	Product	810.3	
M. globosa confluence	Control	100	1
	Product	120	
M. luteus	Control	304.3	1
	Product	313.3	
S. mitis	Control	155.7	1
	Product	174	
S. oralis	Control	30	1
	Product	34	
Overall rating:			1.3

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)	2.1
Diversity of the corresponding skin microbiome (dry, x2)	1.2
Skin-product contact direct (sebaceous, x2)	2.3
Skin-product contact direct (dry, x2)	1.4
Skin-product contact indirect (sebaceous)	1.1
Skin-product contact indirect (dry)	1.3
Overall grade	1.6

With an overall grade of 1.6 the seal „Microbiome-friendly“ is awarded according to MyMicrobiome Standard 18.11 Face / Body.

Place, Date: Hauptwil, 11 December 2025

Responsible person: Dr. Kristin Neumann

Signature:

