

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 SheaLiquid TR

<b>Product type:</b>	Ingredient
<b>Application:</b>	Leave-on
<b>Dilution:</b>	No
<b>Sample received:</b>	27 November 2025
<b>Test Start:</b>	27 November 2025
<b>Test End:</b>	11 December 2025
<b>Test Standard:</b>	<b>MyMicrobiome Standard 18.11 Face / Body</b>
<b>Test result:</b>	<b>1.4</b>
<b>Certification:</b>	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
<b>Total aerobic microbial count (TAMC) and total combined yeasts/ moulds count (TYMC)</b>	≤ 20 cfu*/g or ml

\* colony forming units (cfu)

### Results microbiological quality

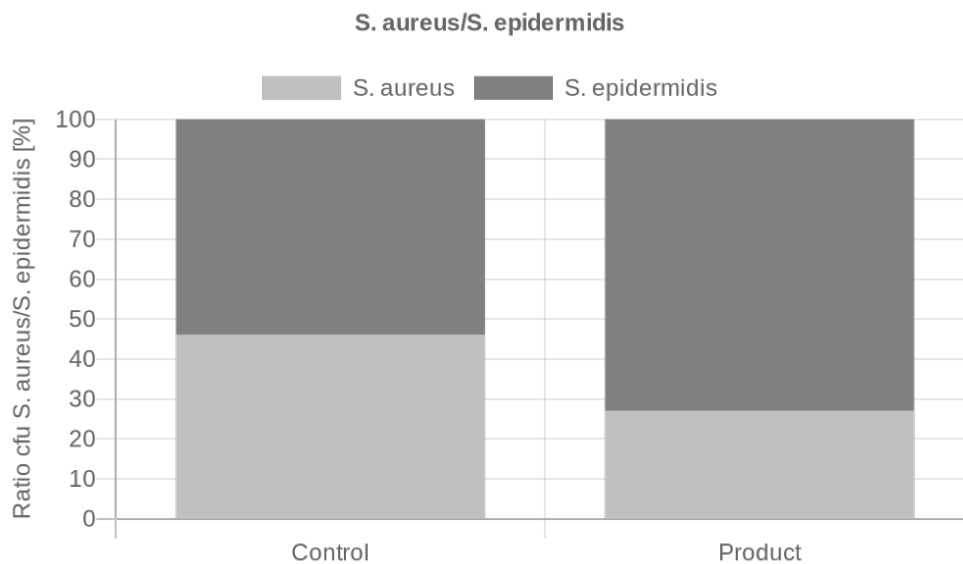
Parameter	Sample no.: 25.1142.18.1
TAMC and TYMC [cfu/0,1 ml]	< 20

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).

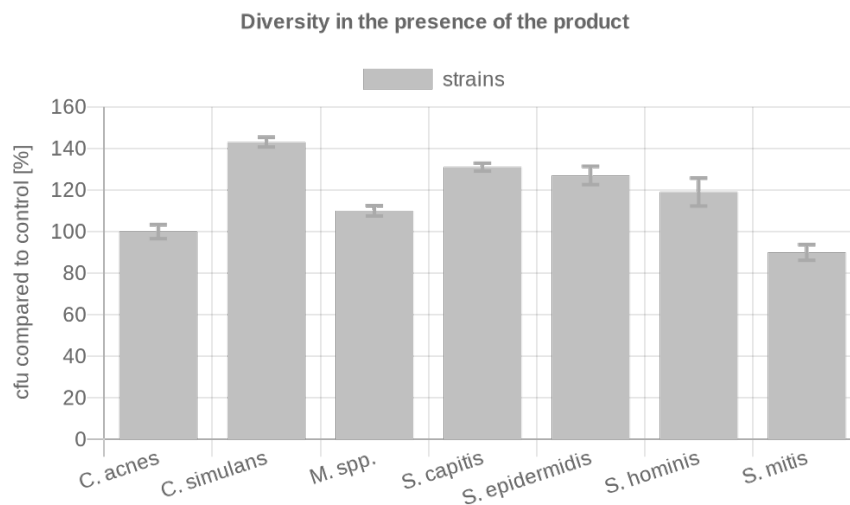


	cfu/ml		Ratio Product/ Control	Grade
	<i>S. aureus</i>	<i>S. epidermidis</i>		
<b>Control</b>	6900	8133.3	2.2	<b>1.0</b>
<b>Product</b>	6700	17766.7		

## 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.

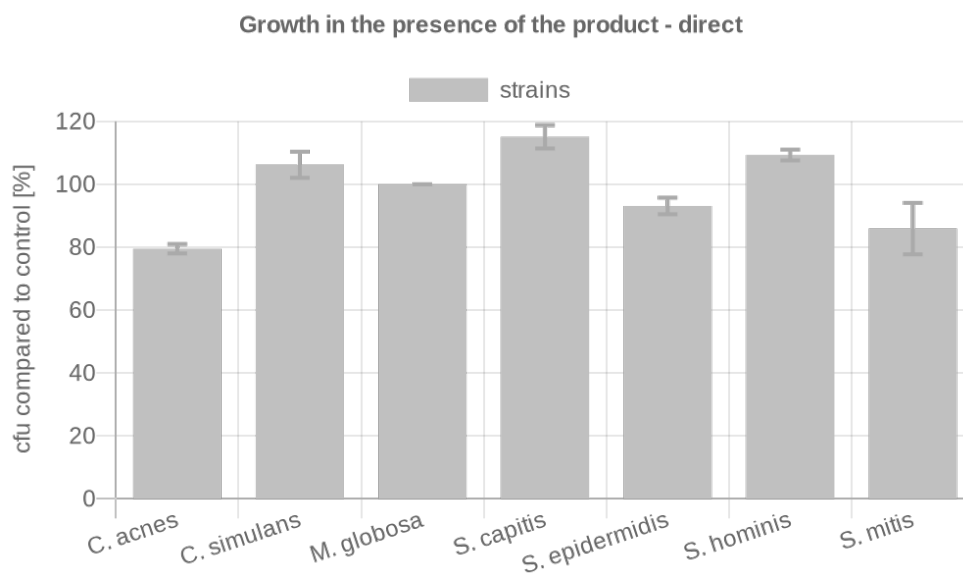


Key-Microbe	t=	4h	Rating
	cfu/ml		
<b>C. acnes</b>	Control	410	1
	Product	410	
<b>C. simulans</b>	Control	1250	2
	Product	1786.7	
<b>M. spp. confluence</b>	Control	109800	1
	Product	120400	
<b>S. capitis</b>	Control	1586.7	2
	Product	2080	
<b>S. epidermidis</b>	Control	635	1
	Product	803.3	
<b>S. hominis</b>	Control	505	1
	Product	600	
<b>S. mitis</b>	Control	205	1
	Product	185	
<b>Overall rating:</b>			<b>1.3</b>

**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.

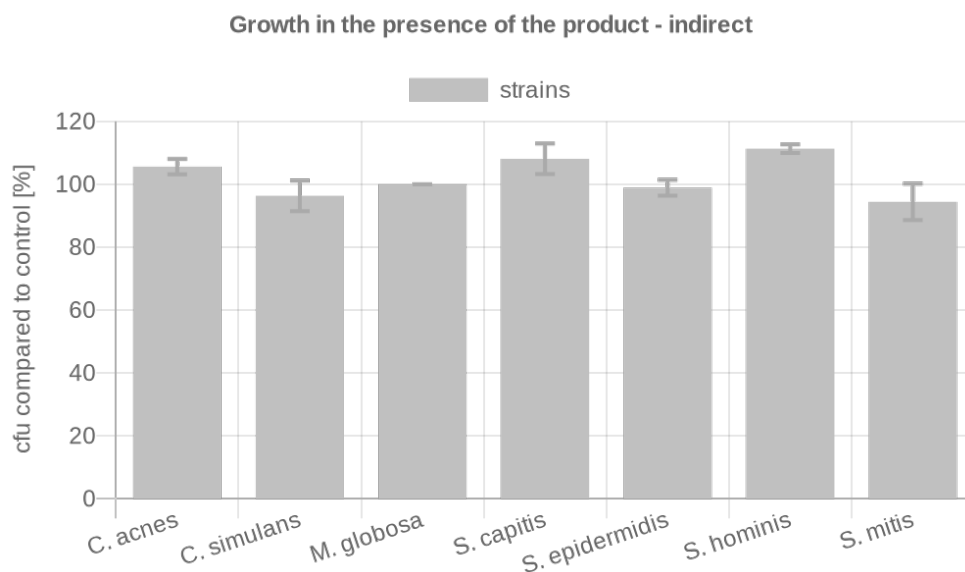


Key-Microbe	cfu/ml		Rating
<b>C. acnes</b>	Control	478	2
	Product	380	
<b>C. tuberculostearicum</b>	Control	1011.7	2
	Product	938	
<b>M. globosa confluence</b>	Control	100	2
	Product	150	
<b>M. luteus</b>	Control	611	3
	Product	358.3	
<b>S. mitis</b>	Control	131	2
	Product	119	
<b>S. oralis</b>	Control	19.5	2
	Product	27	
<b>Overall rating:</b>			<b>2.2</b>

## 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.

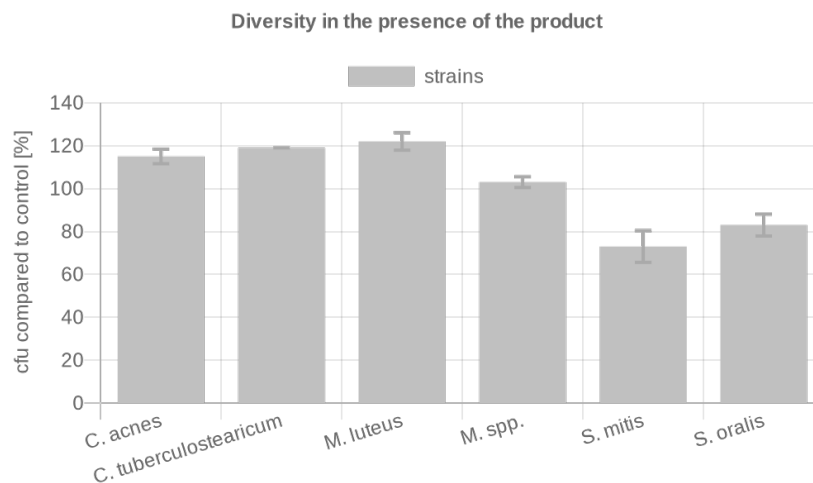


Key-Microbe	cfu/ml		Rating
<b>C. acnes</b>	Control	330.5	1
	Product	349	
<b>C. simulans</b>	Control	419	1
	Product	403.7	
<b>M. globosa confluence</b>	Control	100	1
	Product	100	
<b>S. capitis</b>	Control	526.7	1
	Product	569.3	
<b>S. epidermidis</b>	Control	718.3	1
	Product	710.7	
<b>S. hominis</b>	Control	375.5	1
	Product	418	
<b>S. mitis</b>	Control	155.7	1
	Product	147	
<b>Overall rating:</b>			<b>1.0</b>

**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.



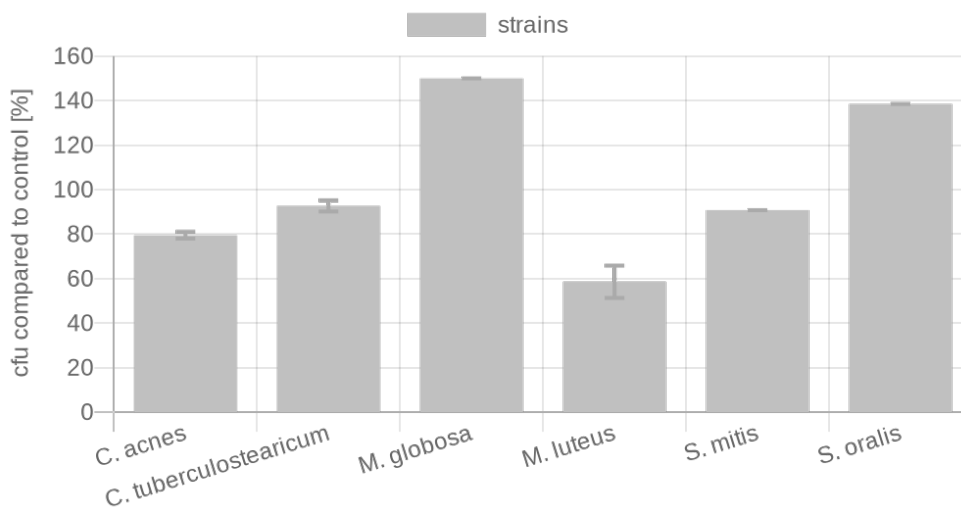
Key-Microbe	t=	4h	Rating
	cfu/ml		
<b>C. acnes</b>	Control	545	1
	Product	625	
<b>C. tuberculostearicum</b>	Control	135	1
	Product	160	
<b>M. luteus</b>	Control	2310	1
	Product	2806,7	
<b>M. spp. confluence</b>	Control	98200	1
	Product	101600	
<b>S. mitis</b>	Control	390	2
	Product	285	
<b>S. oralis</b>	Control	136,7	2
	Product	113,3	
<b>Overall rating:</b>			<b>1.3</b>

**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**

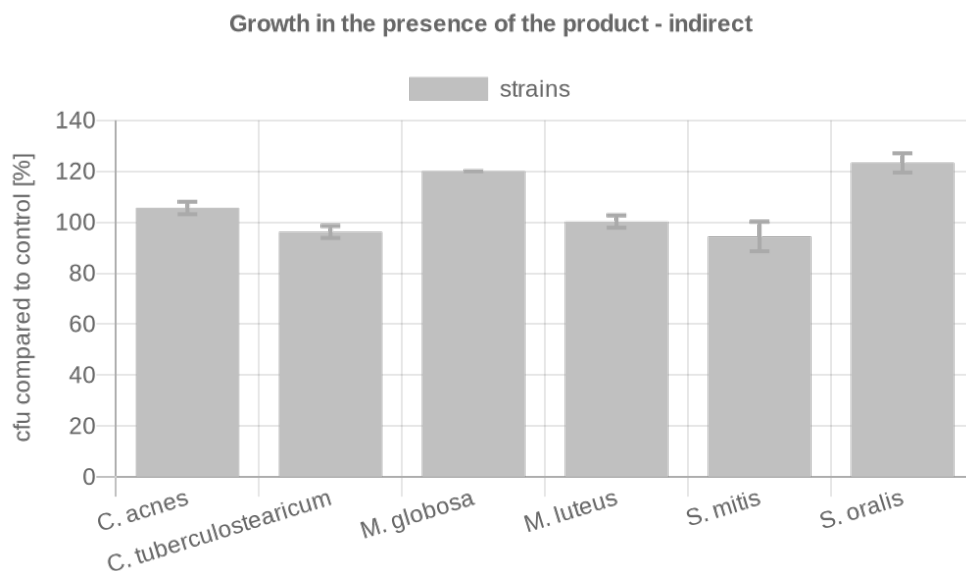


Key-Microbe	cfu/ml		Rating
<i>C. acnes</i>	Control	478	2
	Product	380	
<i>C. simulans</i>	Control	454	1
	Product	482	
<i>M. globosa confluence</i>	Control	100	1
	Product	100	
<i>S. capitis</i>	Control	535	1
	Product	615.7	
<i>S. epidermidis</i>	Control	755.7	1
	Product	703.7	
<i>S. hominis</i>	Control	349	1
	Product	381.3	
<i>S. mitis</i>	Control	131	2
	Product	112.5	
<b>Overall rating:</b>			<b>1.3</b>

**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
<b>C. acnes</b>	Control	330.5	1
	Product	349	
<b>C. tuberculostearicum</b>	Control	1001.3	1
	Product	963.7	
<b>M. globosa confluence</b>	Control	100	1
	Product	120	
<b>M. luteus</b>	Control	304.3	1
	Product	305.3	
<b>S. mitis</b>	Control	155.7	1
	Product	147	
<b>S. oralis</b>	Control	30	1
	Product	37	
<b>Overall rating:</b>			<b>1.0</b>

## 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)	1.3
Diversity of the corresponding skin microbiome (dry, x2)	1.3
Skin-product contact direct (sebaceous, x2)	2.2
Skin-product contact direct (dry, x2)	1.3
Skin-product contact indirect (sebaceous)	1.0
Skin-product contact indirect (dry)	1.0
<b>Overall grade</b>	<b>1.4</b>

**With an overall grade of 1.4 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:

