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

Information about the tested product:

Manufacturer:
Roquette Frères
1 rue de la Haute Loge
62136 Lestrem
France

Name of the product:
BEAUTÉ BY ROQUETTE AG 291

Product type:	Ingredient
Application:	Leave-on
Dilution:	2% in water
Sample received:	09 December 2025
Test Start:	08 December 2025
Test End:	30 December 2025
Test Standard:	**MyMicrobiome Standard 18.11 Face / Body**
Test result:	**1.7**
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 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

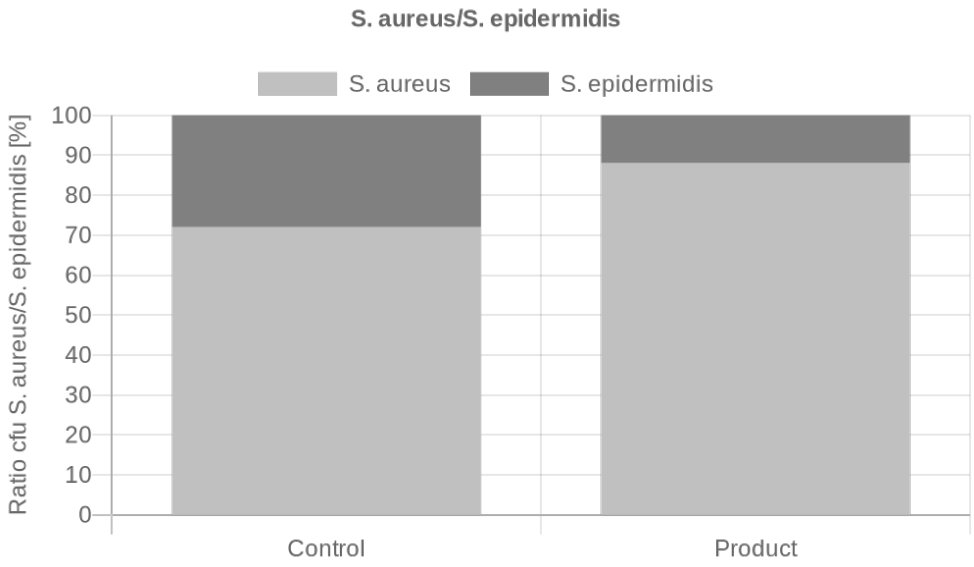
Parameter	Sample no.: 25.1147.18.1
TAMC and TYMC [cfu/0,1 ml]	< 20

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).

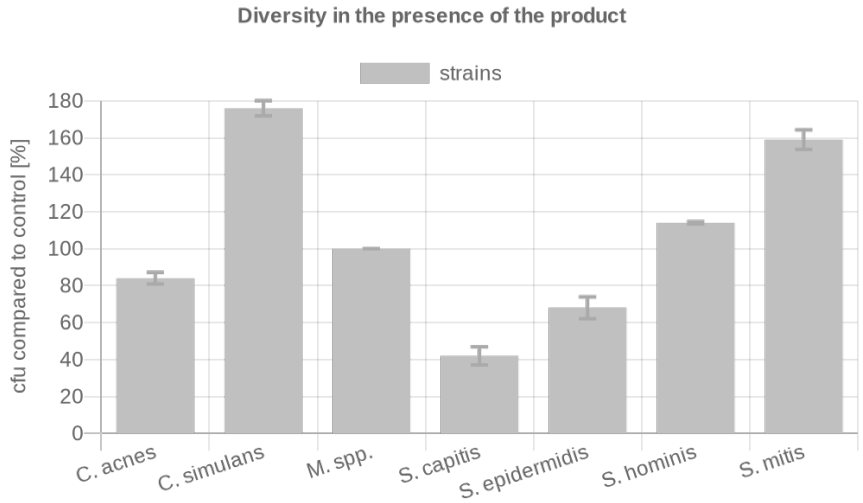


	cfu/ml		Ratio Product/ Control	Grade
	S. aureus	*S. epidermidis*		
Control	2600	993.3	0.3	**3.0**
Product	8400	1116.7		

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.

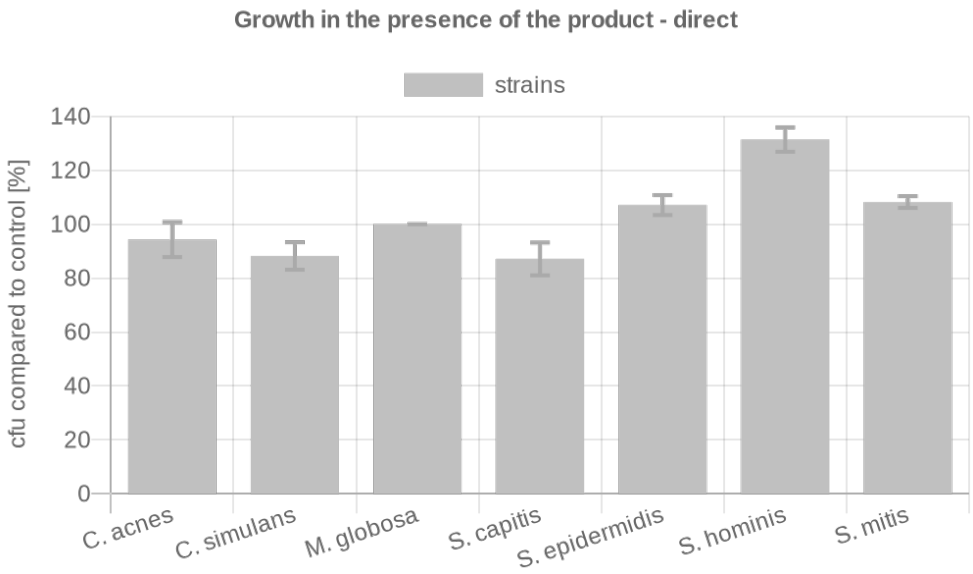


Key-Microbe	t=	4h	Rating
	cfu/ml		
C. acnes	Control	1333.3	2
	Product	1125	
C. simulans	Control	780	3
	Product	1370	
M. spp. confluence	Control	10000	1
	Product	10000	
S. capitis	Control	2415	3
	Product	1015	
S. epidermidis	Control	2000	2
	Product	1353.3	
S. hominis	Control	8743.3	1
	Product	9965	
S. mitis	Control	85	2
	Product	135	
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.

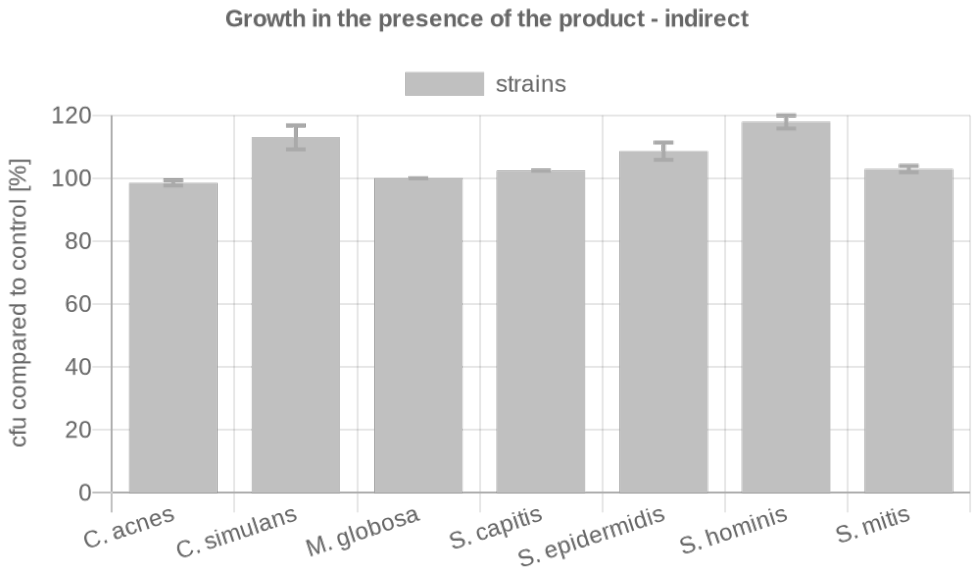


Key-Microbe	cfu/ml		Rating
C. acnes	Control	843.7	2
	Product	795.3	
C. tuberculostearicum	Control	206.7	2
	Product	148	
M. globosa	Control	100	1
	Product	100	
M. luteus	Control	569.5	1
	Product	543.5	
S. mitis	Control	85	1
	Product	92	
S. oralis	Control	306.7	1
	Product	294.7	
Overall rating:			**1.3**

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.

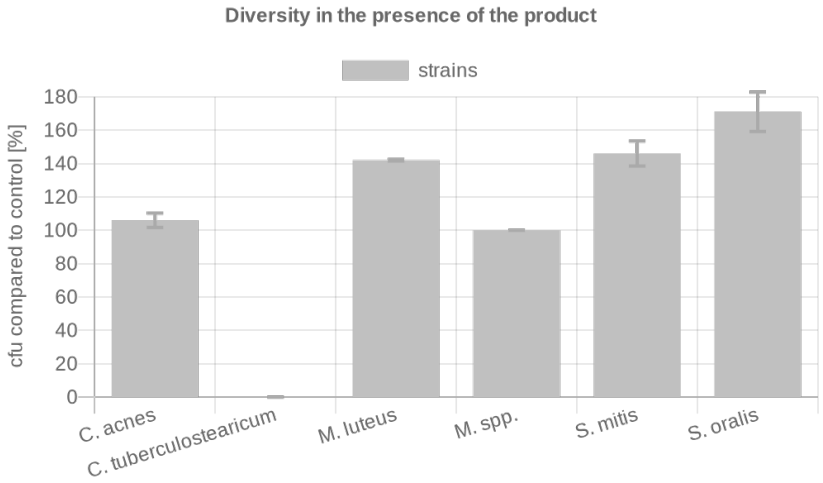


Key-Microbe	cfu/ml		Rating
C. acnes	Control	770	1
	Product	758.3	
C. simulans	Control	259	1
	Product	292.7	
M. globosa confluence	Control	100	1
	Product	100	
S. capitis	Control	405.3	1
	Product	415	
S. epidermidis	Control	1161	1
	Product	1261	
S. hominis	Control	428	1
	Product	504.5	
S. mitis	Control	68.5	1
	Product	70.5	
Overall rating:			**1.0**

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.

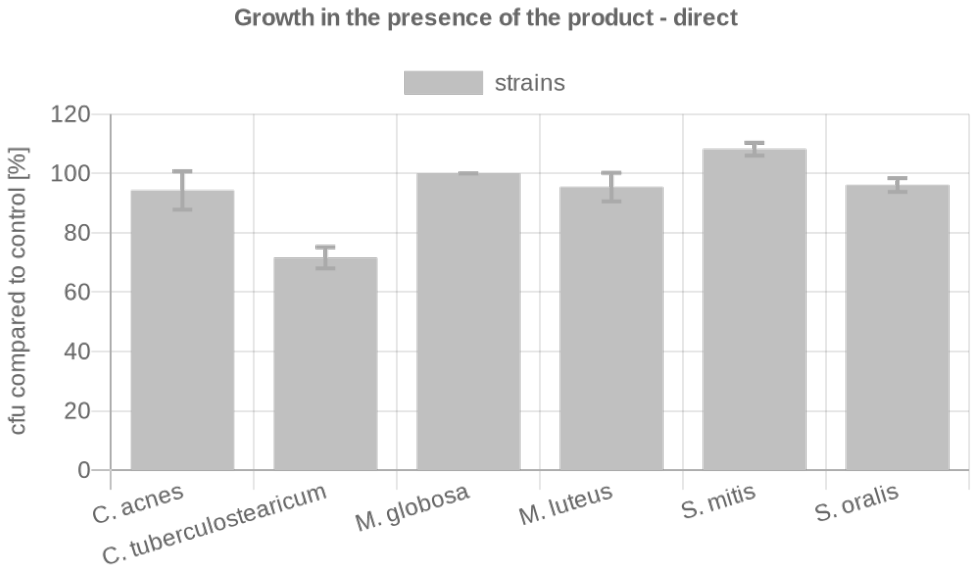


Key-Microbe	t=	4h	Rating
	cfu/ml		
C. acnes	Control	1465	1
	Product	1553,3	
C. tuberculostearicum	Control	n/a	n/a
	Product	0	
M. luteus	Control	913,3	2
	Product	1295	
M. spp. confluence	Control	10000	1
	Product	10000	
S. mitis	Control	65	2
	Product	95	
S. oralis	Control	70	2
	Product	120	
Overall rating:			**1.6**

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.

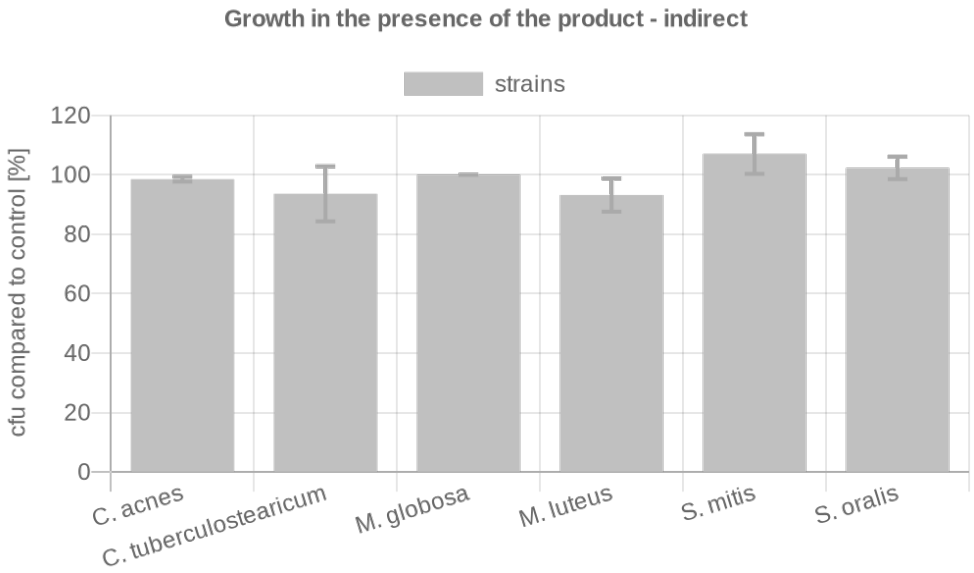


Key-Microbe	cfu/ml		Rating
C. acnes	Control	843.7	2
	Product	795.3	
C. simulans	Control	494.7	2
	Product	436.3	
M. globosa confluence	Control	100	1
	Product	100	
S. capitis	Control	453.3	2
	Product	395	
S. epidermidis	Control	1167.3	1
	Product	1250.7	
S. hominis	Control	390.7	2
	Product	513.5	
S. mitis	Control	85	1
	Product	92	
Overall rating:			**1.6**

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	770	1
	Product	758.3	
C. tuberculostearicum	Control	230.7	2
	Product	216	
M. globosa	Control	100	1
	Product	100	
M. luteus	Control	295	2
	Product	275	
S. mitis	Control	68.5	1
	Product	73.3	
S. oralis	Control	281.3	1
	Product	287.7	
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	3.0
Diversity of the corresponding skin microbiome (sebaceous, x2)	2.0
Diversity of the corresponding skin microbiome (dry, x2)	1.6
Skin-product contact direct (sebaceous, x2)	1.3
Skin-product contact direct (dry, x2)	1.6
Skin-product contact indirect (sebaceous)	1.0
Skin-product contact indirect (dry)	1.3
Overall grade	**1.7**

With an overall grade of 1.7 the seal „Microbiome-friendly“ is awarded according to MyMicrobiome Standard 18.11 Face / Body.

Place, Date: Hauptwil, 30 December 2025

Responsible person: Dr. Kristin Neumann

Signature: