The influence of the product on the key organisms of the canine skin was examined.

Information about the tested product:

Manufacturer:
Skout's Honor
3927 Oceanic Drive
CA 92056 Oceanside
USA

Name of the product:
Probiotic Shampoo + Conditioner 2 in 1 Dog of the Woods

Product type:	Final product
Application:	Rinse-off
Dilution:	33% in PBS
Sample received:	28 May 2025
Test Start:	11 June 2025
Test End:	09 July 2025
Test Standard:	**MyMicrobiome Standard 58.10. Canine**
Test result:	**1.6**
Certification:	granted

Test description

The MyMicrobiome Standard evaluates the influence of pet care products and pharmaceuticals on the microbial key players of canine skin.

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.

Every pet's microbiome is unique. Each pet, however, harbors a characteristic composition of bacteria, viruses and fungi. The test examines the product's influence on the key organisms typical for canine skin 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.

Staphylococcus pseudintermedius is a bacterium found in the fur of most dogs. Under certain circumstances, the bacterium can colonize the surface of the skin, the hair follicles and occasionally also deeper layers of the skin. When the microclimate of the skin changes, the bacteria can multiply and then cause skin infections. The skin-commensal bacterium *Staphylococcus epidermidi*s produces antimicrobial peptides (so-called bacteriocins) and regulates skin pH, which keeps potentially skin-harmful microorganisms, such as *Staphylococcus pseudintermedius* in check. The product should not disturb the balance between skin-friendly and skin-harmful bacteria. This sensitive balance is investigated in conjunction with the product.

The influence of the product on the bacterial diversity of the canine skin.

Canine skin is colonized by a certain set of microorganisms, and it is particularly important to maintain this biodiversity to keep the skin healthy. 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 canine skin.

In addition to the diversity of the microorganisms, 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

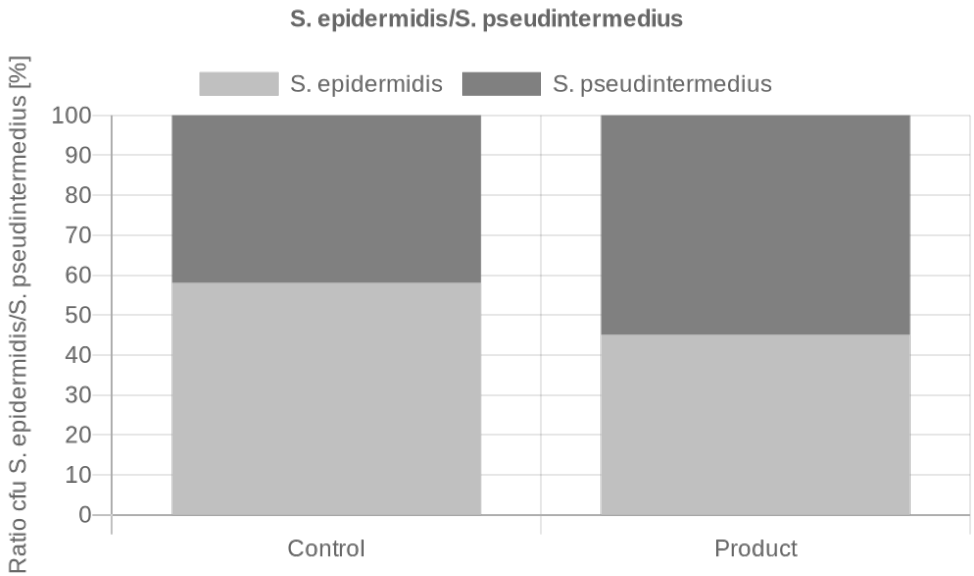
Parameter	Sample no.: 25.1079.58.1
TAMC and TYMC [cfu/0,1 ml]	< 20

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. pseudintermedius* 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).

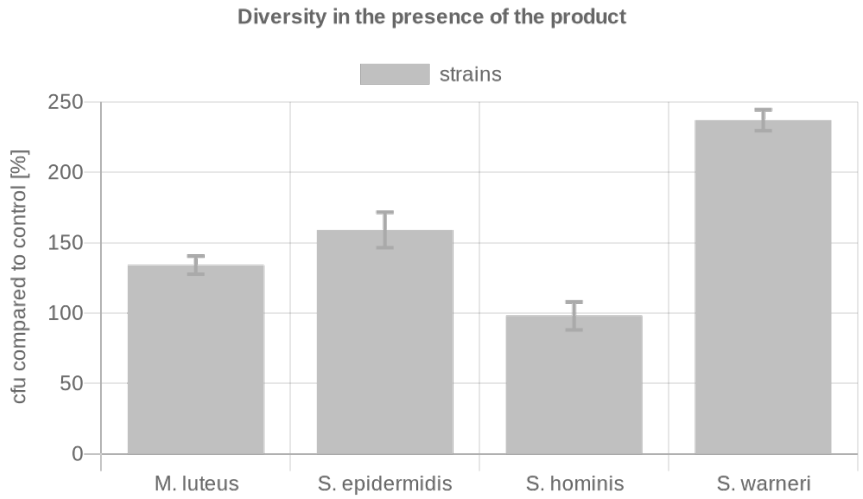


	cfu/ml		Ratio Product/ Control	Grade
	S. epidermidis	***S. pseudintermedius***		
Control	6500	4750	0.6	**2.0**
Product	4100	5100		

Results

The influence of the product on the microbial diversity of the canine skin.

A co-culture of key organisms of the canine skin 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.

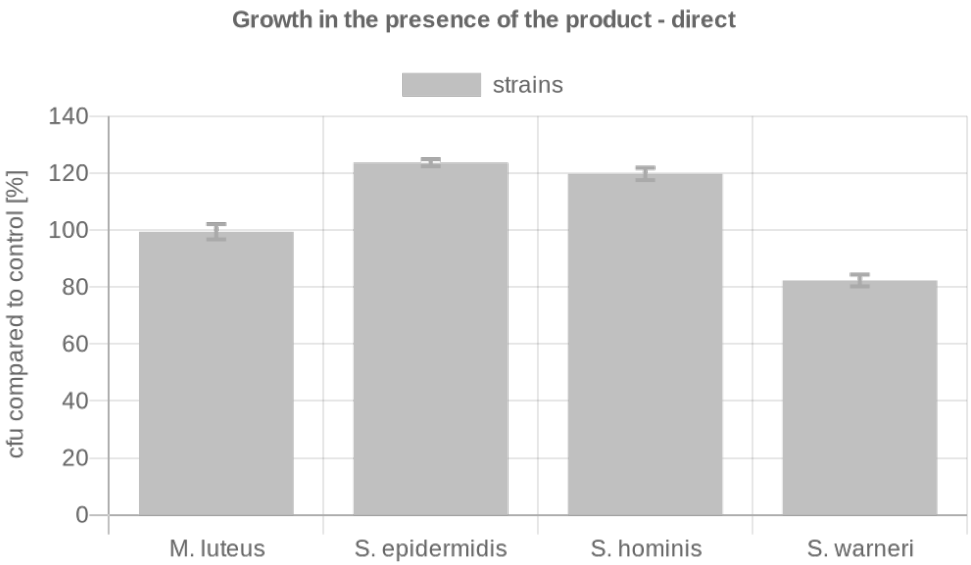


Key-Microbe	t=	15min	Rating
	cfu/ml		
M. luteus	Control	243,3	2
	Product	326,7	
S. epidermidis	Control	115	2
	Product	183,3	
S. hominis	Control	205	1
	Product	200	
S. warneri	Control	180	3
	Product	426,7	
Overall rating:			**2.0**

Results

The influence of the product on the growth behavior of the microbes of the canine skin – directly.

The influence of the product on the growth of each individual key organism 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.

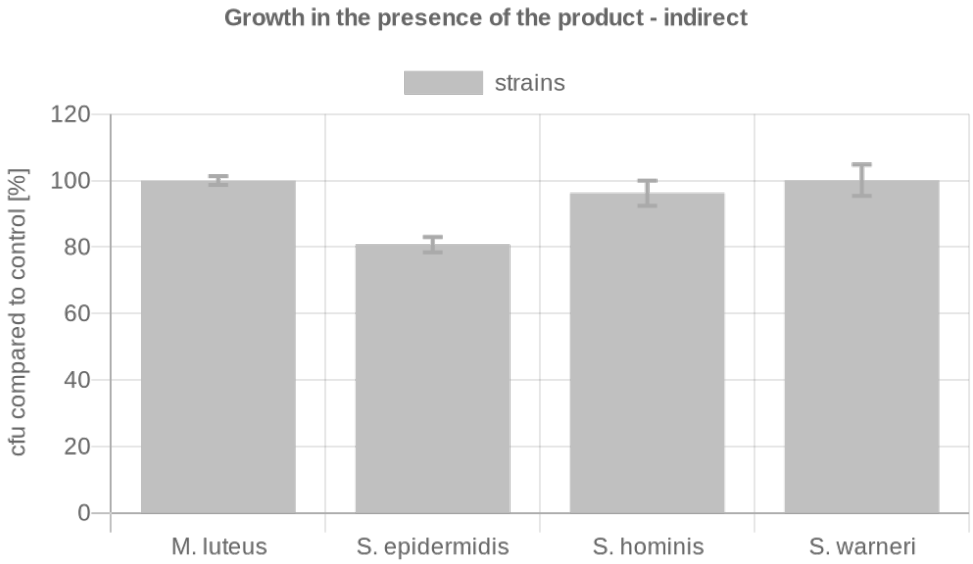


Key-Microbe	cfu/ml		Rating
M. luteus	Control	2073.7	1
	Product	2062	
S. epidermidis	Control	1808.7	1
	Product	2235	
S. hominis	Control	1371.3	1
	Product	1642	
S. warneri	Control	1895	2
	Product	1559.7	
Overall rating:			**1.3**

Results

The influence of the product on the growth behavior of the microbes of the canine skin – indirectly.

The influence of the product on the growth of each individual key organism 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
M. luteus	Control	53.5	1
	Product	53.5	
S. epidermidis	Control	1022.7	2
	Product	825.3	
S. hominis	Control	321	1
	Product	308.7	
S. warneri	Control	1003.3	1
	Product	1004.7	
Overall rating:			**1.3**

Results

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

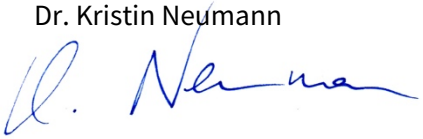
The product has passed if it obtains grades between 1.0 and 2.0.

1.0 – 2.0 = Microbiome-friendly | 2.1 – 3.0 = Microbiome-influencing

Test	Grade
Balance of the skin microbiome	2.0
Diversity of the skin microbiome (x2)	2.0
Product contact direct (x2)	1.3
Product contact indirect	1.3
Overall grade	**1.6**

With an overall grade of 1.6 the seal „Microbiome-friendly“ is awarded according to MyMicrobiome Standard 58.10. Canine.

Place, Date: Hauptwil, 17 July 2025

Responsible person: Dr. Kristin Neumann

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