

ALPAFLOR® ALP-SEBUM CB

*Organic Prebiotic.
Visible care for oily skin*



April 2025

Naturals | The science of nature

dsm-firmenich 

ALPAFLOR® ALP-SEBUM CB

ID card 5037861

INCI NAME: Epilobium Fleischeri Flower/Leaf/Stem Extract (and glycerin, water, citric acid)

SUSTAINABILITY: Organic cultivation, ethical and traceable sourcing, supporting alpine biodiversity with low impact on the environment

TECHNOLOGY: Gentle ethanolic extraction of alpine willowherb plant (early blooming stage) following green chemistry principles
Standardization in oenotheins (as gallic acid)
100% of natural origin according to ISO16128– no preservative

TECHNICAL:

pH of use: 3.5– 5.5	Use level: 1–3%	Solubility: Water
Form: Liquid	Preservative: Free	Biodegradable: main components readily biodegradable

BENEFITS:

- Delivers sustainable visible mattified skin with less sebum**
- Reduces spots, leads to a visible clearer and cleaner skin, for blemish care, rebalance the microbiome**
- Restores the skin's healthy appearance**
- Helps sooth the skin *

REGISTRATION CERTIFICATION



Our solution:

ALPAFLOR® ALP-SEBUM CB

Unique Product Features

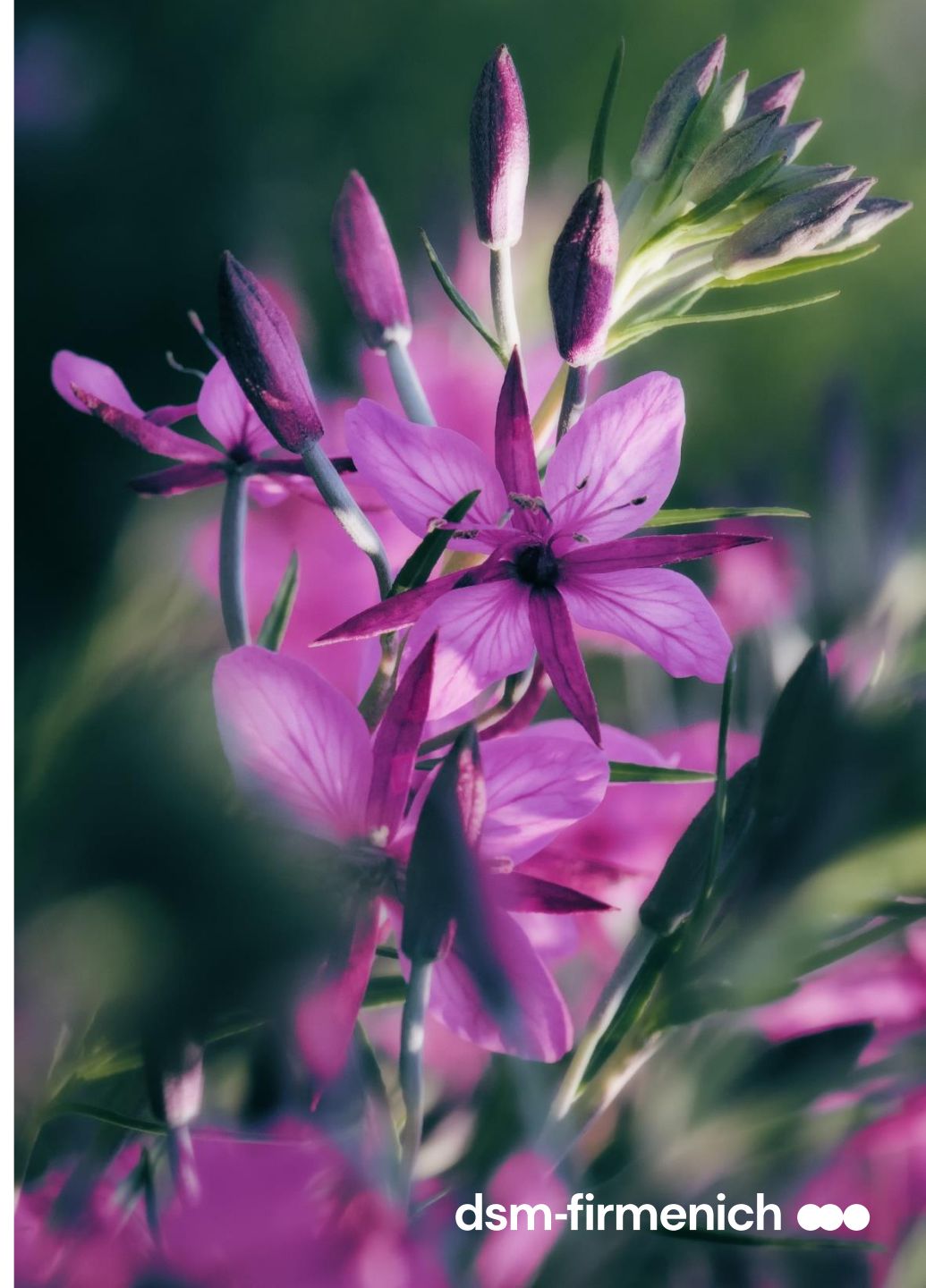
- Outstanding facial colour mapping showing a **Sebum production decrease in all facial areas**, with a strong focus on **forehead and cheek**, after 4 weeks
- **Microbiome balancing activities, downregulating troublesome bacteria** such as *Staphylococcus capitis* and **stimulating beneficial skin bacteria** like *Staphylococcus epidermidis* and *Micrococcus yunnanensis*
- **Inhibition of 5- α -reductase** is the most efficient way to decrease sebum production (**-56% after 2 months** *in vivo* study)
- **Strong inhibition of pro-inflammatory markers** such as Interleukin 8
- Unique rare glacier willowherb species, ***Epilobium fleischeri***, sustainably, fairly and organically cultivated

Benefits

- **Delivers sustainable visible mattified skin** with less oil and sebum
- **Organic prebiotic bioactive** (against oily skin, enlarged pores, sensitive skin and acne-prone skin)
- Restores the **skin's healthy appearance**
- **Soothes the skin**
- Reduces spots, leads to **visibly clearer and cleaner skin**, for **blemish care**
- Helps **to solve Maskne** issue while wearing mask

Cosmetic Application

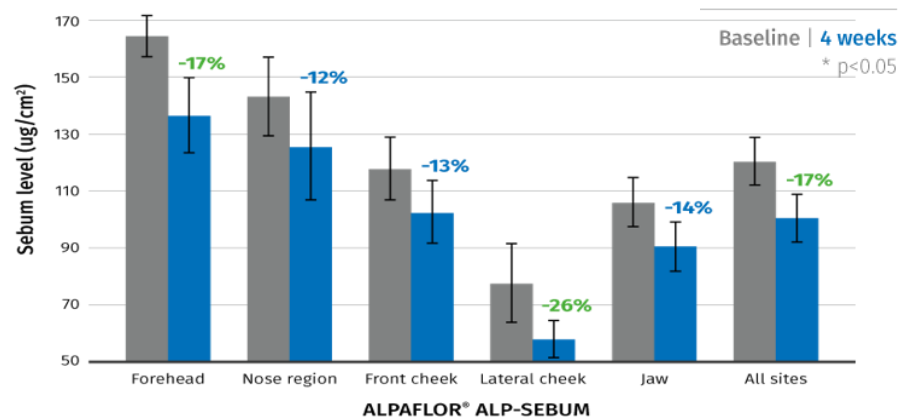
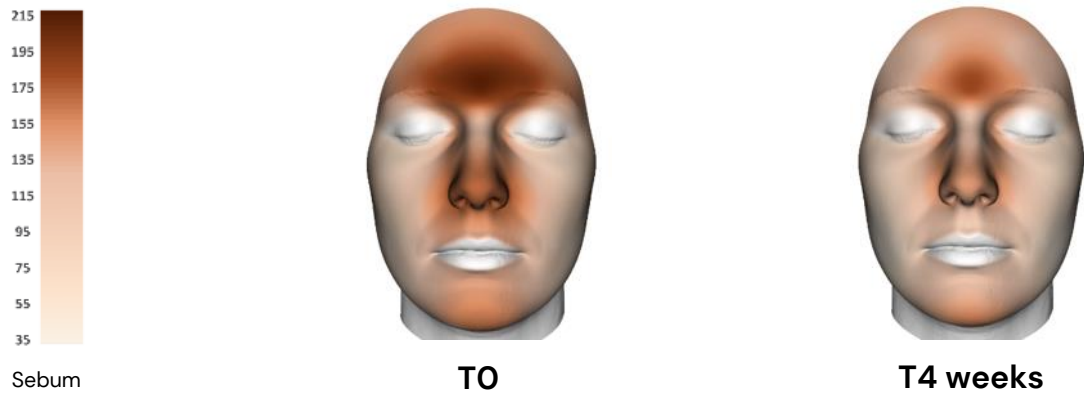
- Products that target oily, shiny skin
- Skin care products for young skin
- Blemish care
- Colour cosmetic with mattifying biological effect



ALPAFLOR® ALP-SEBUM CB innovative sebum mapping

Impressive and significant reduction of sebum on all facial areas by 17%, especially on forehead and cheek after 4 weeks *in vivo*

3D facial color sebum mapping with 3% ALPAFLOR® ALP-SEBUM CB



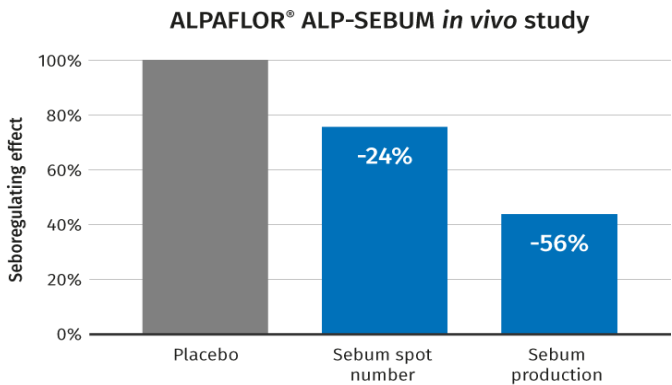
Clear and visible mattifying effect with pores reduction after 4 weeks *in vivo* after 4 weeks at 3%



Volunteer #2

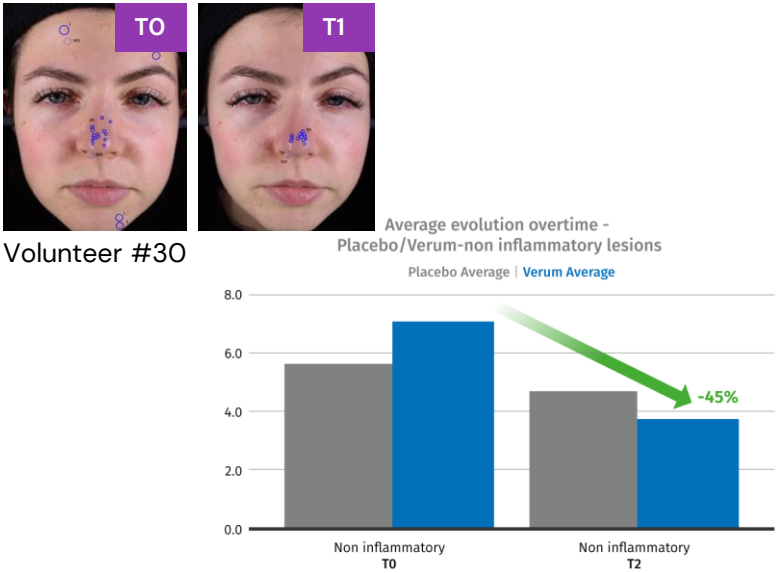
Volunteer #24

56% decrease in sebum production after 2 months, and 18% of volunteers noticed a pore size reduction demonstrated by a clinical scoring



ALPAFLOR® ALP-SEBUM CB

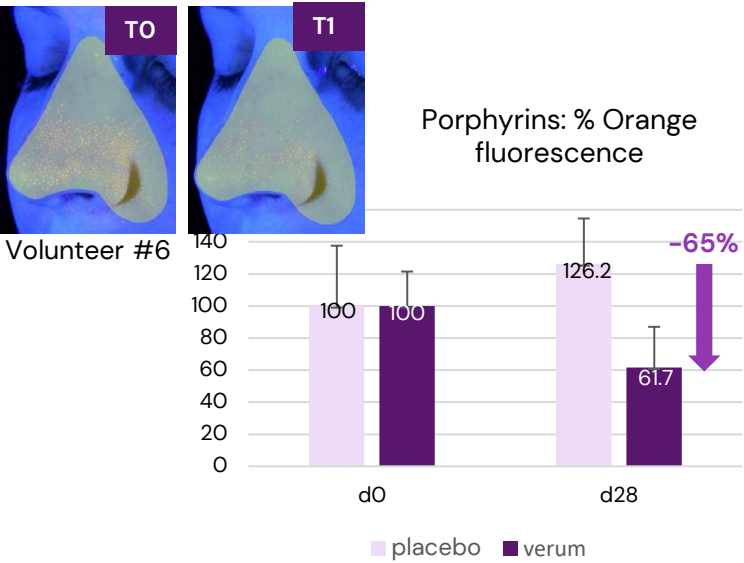
Oily skin imperfections activity – *in vivo*



Black and whiteheads*

ALPAFLOR® ALP-SEBUM CB reduces strongly number of black and whiteheads.

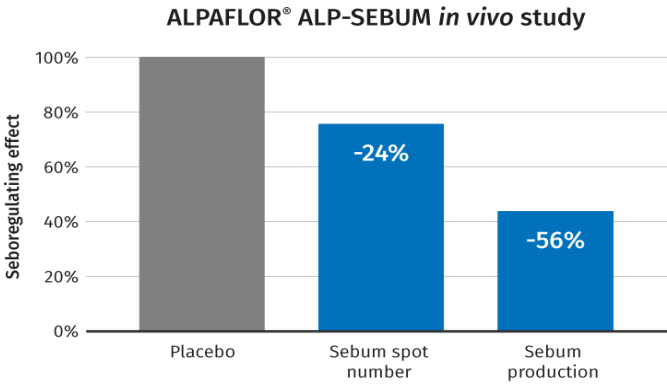
Strong decrease (45%) of number of black and whiteheads through the assessment of non-inflammatory lesions (black and white heads) by grading software under medical control after 1 month



Porphyrins, bio-markers of acne**

ALPAFLOR® ALP-SEBUM CB reduces pro-inflammatory acne bio-markers.

Reduction by 65% of porphyrins after 1 month. Porphyrins are a specific marker for *Cutibacterium acnes* type I (acne associated strains with high pro-inflammatory potential) and mostly associated with sebaceous glands «skin pores»



Sebum spots & pore size reduction***

ALPAFLOR® ALP-SEBUM CB reduces sebum production and associated imperfections (pore size, sebum spots).

Reduces by 56% sebum production and by 24% spots number. 18% of volunteers noticed a pore size reduction demonstrated by a clinical scoring after 2 months

* $p < 0.01$ (paired t test)

* *In vivo*, 23 Female Caucasian volunteers (average age: 33.7 ± 9.8), 3% ALPAFLOR® ALP-SEBUM CB 28 days study

** *In vivo*, selection of 5 subjects with a minimum threshold of orange fluorescence from *in vivo* study*

*** *In vivo*, 21 Female Caucasian volunteers (aged 18-40 with greasy skin), 3% ALPAFLOR® ALP-SEBUM CB 56 days study

ALPAFLOR® ALP-SEBUM CB

Prebiotic & microbiome friendly activity – *in vivo*

Prebiotic activity*

ALPAFLOR® ALP-SEBUM CB acts as prebiotic modulating key bacteria for healthy looking skin.

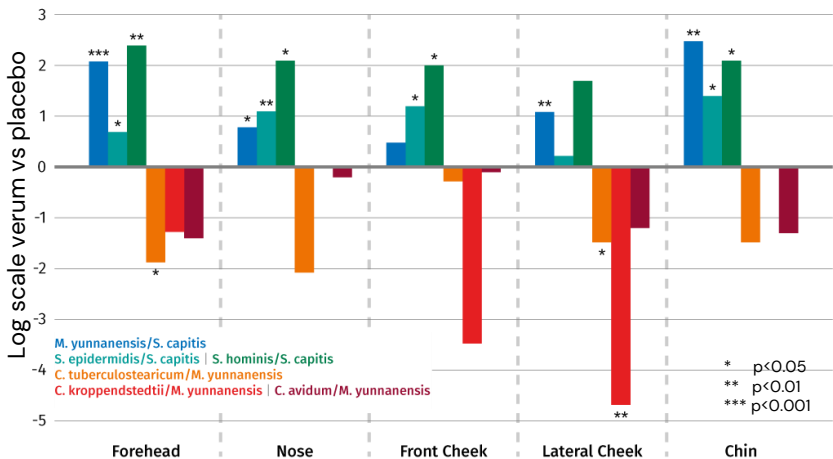
The overall skin condition is improved by strong modulating effect on key bacteria on all facial sites providing a **balanced facial microbiome**

ALPAFLOR® ALP-SEBUM CB significantly **downregulates troublesome bacteria** (*S. capitis*, *C. tuberculostearicum* and *C. kroppenstedtii*) **reducing the risk of enlarged pores, skin inflammation, irritation and redness.**

ALPAFLOR® ALP-SEBUM CB significantly **upregulates the beneficial bacteria** (*S. epidermidis*, *S. hominis* and *M. yunnanensis*) **promoting the microbial skin self-defense.**

C. acnes is not affected by ALPAFLOR® ALP-SEBUM CB. The majority of *C. acnes* strains are non-pathogenic and an essential part of the facial microbiome, they help to block pathogens. Only few strains are pathogens and associated with acne

Rebalanced facial microbiome*

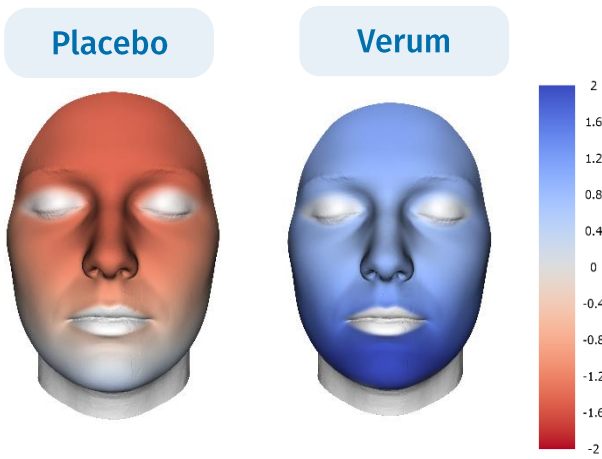


Microbiome friendly

ALPAFLOR® ALP-SEBUM CB doesn't affect the microbiome diversity and is **microbiome friendly certified.**



Facial color microbiome mapping*



Facial mapping to visualize positive change from placebo (reddish color) to verum (bluish) when comparing *S. epidermidis*/*S. capitis* ratio which increased after 4 weeks treatment

Disclaimer

Copyright © DSM Nutritional Products Ltd 2025, 4002 Basel, Switzerland.
www.dsm-firmenich.com. All rights reserved.

dsm-firmenich has used diligent care to ensure that the information provided herein is accurate and up-to-date to the best of its knowledge. However, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, completeness, or suitability thereof. The information provided herein contains scientific and product information for business-to-business use and does not constitute or provide scientific or medical advice, diagnosis or recommendation for treatment options. Country or region-specific information should be considered when labelling or advertising to final consumer. In no event shall dsm-firmenich be liable for any direct or indirect damages arising from or reliance upon, or use of, any information provided herein. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for the latest information. All trademarks listed in this document are either (registered) trademarks of, or trademarks licensed by, the dsm-firmenich group of companies, unless explicitly stated otherwise.

Disclaimer Formulation Guideline

The information provided herein is provided for information purposes only and has been prepared by dsm-firmenich in accordance with its own methodology. dsm-firmenich has used diligent care to ensure that it is accurate and up-to-date, however, dsm-firmenich makes no representation or warranty, either expressly or implied, of the accuracy, reliability, or completeness thereof. In no event shall dsm-firmenich be liable for any damages arising from or reliance upon, or use of, any information provided herein. Further, dsm-firmenich shall not bear any liability for the application and/or use of any processed material containing its product(s). The formulation of the finished product is the customer's sole responsibility. It is the customer's responsibility to determine the suitability of dsm-firmenich's products regarding user specific purposes, assess compatibility and stability of their finished product(s) and to ensure compliance of their finished product(s) with relevant laws and regulations. Any product, marketing or other claims made by customer are its sole responsibility. The content of this document is subject to change without further notice. Please contact your local dsm-firmenich representative for further details. © DSM Nutritional Products AG, 2025.

We bring progress to life