

ALPAFLOR® GIGAWHITE CB

*The natural brightener that
keeps your skin at its luminous best*



April 2025

Naturals | The science of nature

dsm-firmenich 

ALPAFLOR® GIGAWHITE CB

ID card 5037862

INCI NAME:

Malva Sylvestris (Mallow) Flower/Leaf/Stem Extract , Mentha Piperita (Peppermint) Leaf Extract, Primula Veris Flower Extract*, Alchemilla Vulgaris Flower/Leaf/Stem Extract*, Veronica Officinalis Flower/Leaf/Stem Extract, Melissa Officinalis Leaf Extract , Achillea Millefolium 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 dried aerial part of 7 plants following green chemistry principles
100% of natural origin according to ISO16128– no preservative

TECHNICAL:

pH of use: 3.5– 5.5
Form: Liquid

Use level: 1–5%
Preservative: Free

Solubility: Water
Biodegradable: main components readily biodegradable

BENEFITS:

- Down-regulating key genes involved in skin pigmentation (tyrosinase, PLM17, Melanoregulin, DCT)**
- Melanin synthesis reduced by 24% on NHMelanocyte**
- Significant improvement in skin tone (24% lighter after 3 months)***
- Significant reduction of hyperpigmentation (age spot color intensity)***

REGISTRATION CERTIFICATION



ALPAFLOR® GIGAWHITE CB

The natural brightener that keeps your skin at its luminous best

Unique Product Features

- A unique combination of **seven Alpine plant** extracts organically cultivated at high altitude
- **Sustainable**, organic and fair-trade certified bio-active allowing transparency and traceability
- Targets **multiple steps of pigmentation**
- Impacting *in vitro* the **production of melanin** by modulating key enzymes such as tyrosinase, Dopachrome tautomerase
- Down-regulating *in vitro* **the melanosome maturing** key gene (PML17)
- Intercepting *in vitro* the **migration of melanin** to the upper layer of the skin (melanoregulin)
- **Skin color lighter** (+15%) after 12 weeks with **3% ALPAFLOR® GIGAWHITE CB**
- **Reduction of age spot** color intensity (-28%)

Benefits

- Keeps your skin at its **luminous best**
- Outstanding **brightening action** gradually enhances the skin's natural glow
- Resulting in luminous complexion with a beautifully even tone
- Helps reduce skin hyperpigmentation (**age spots color** intensity)



The naturally potent fusion of plants reducing discoloration of the skin

Biological concepts

- All-natural, completely organic brightener with proven efficacy
- *In vitro* down-regulates several key genes involved in melanin biosynthesis and in the transfer of melanin to the upper layer of the skin
- Reduces in vitro the melanin content in the melanocytes
- Provides a significant improvement in skin tone brightening
- Significant reduction of age spots color intensity

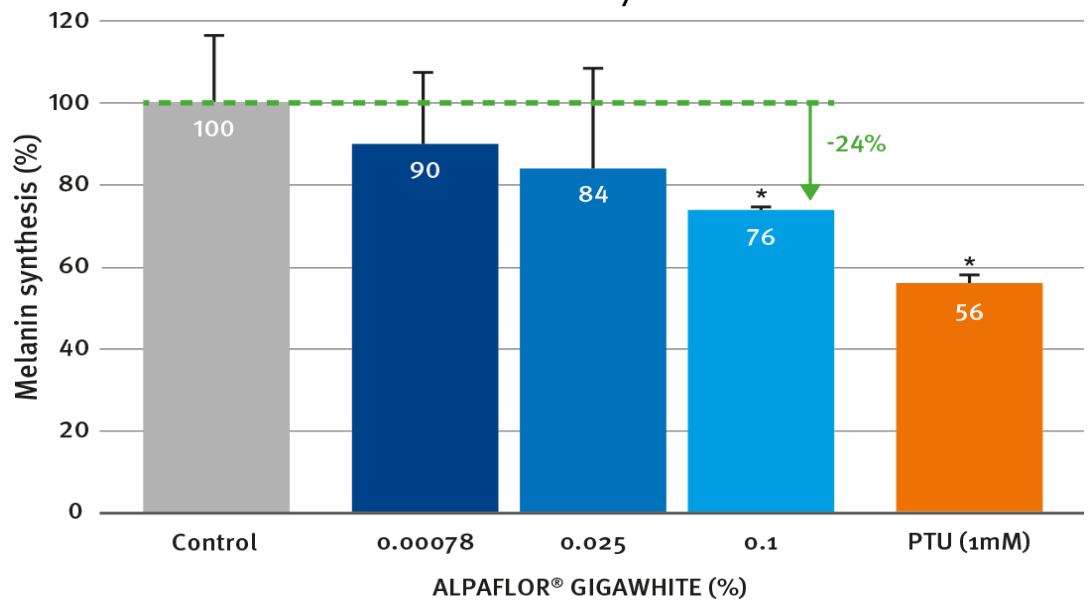
Consumer Benefits

- Outstanding brightening action gradually enhances the skin's natural glow
- Keeps your skin at its luminous best
- Resulting in brighter looking skin with a beautifully even tone

Unique and efficient

Very effective inhibitor on melanogenesis key markers, providing a reduction of melanin synthesis

ALPAFLOR® GIGAWHITE CB significantly reduces by 24% the melanin content on normal human melanocyte at a concentration of 0.1%



ALPAFLOR® GIGAWHITE CB targets multiple steps of skin pigmentation:

- inhibits production of melanin by downregulating melanin-generating enzymes Tyrosinase TYR (-50%) and Dopachrome tautomerase DCT (-37%)
- down-regulates the melanosomes maturing by reduction of the expression of PMEL-17 (-44%)
- prevents melanosome distribution to the upper layer of the skin by reducing Melanoregulin MREG (-39%)

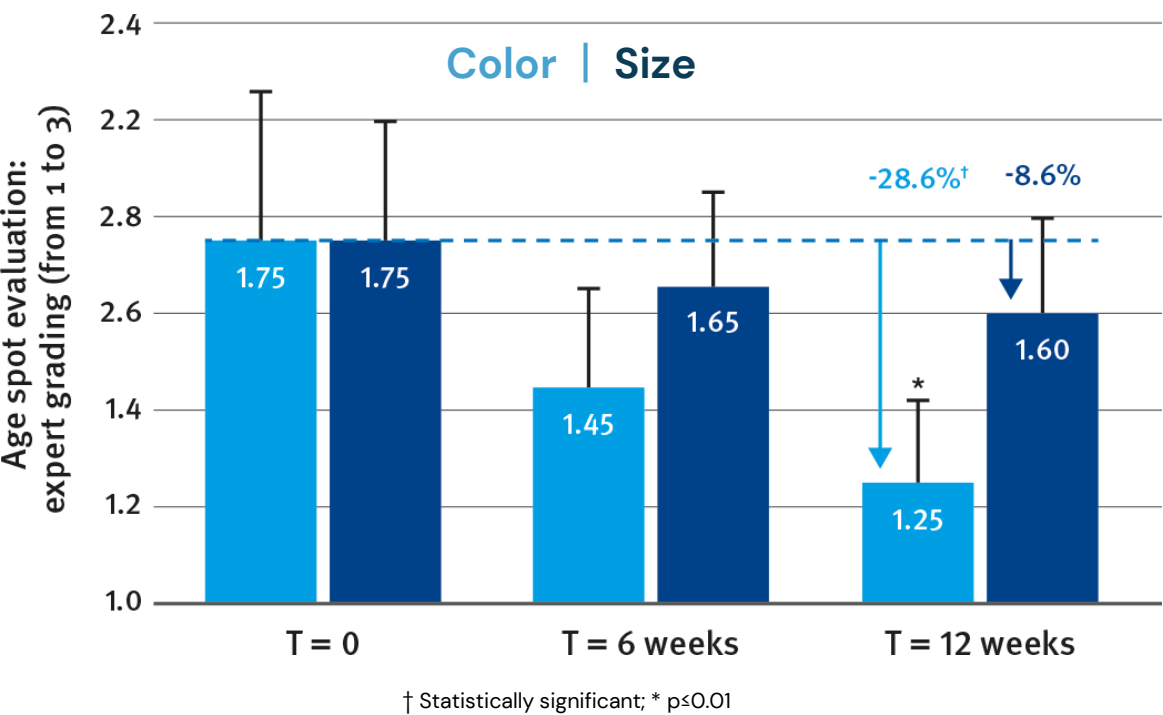


dsm-firmenich research has investigated some 100 alpine plants, growing in the heart of the Swiss Alps, in unspoiled high-altitude location, nourished by pristine glacier water.

dsm-firmenich has uncovered the secret of a unique and naturally-potent combination of 7 plants with the most powerful brightening activities.

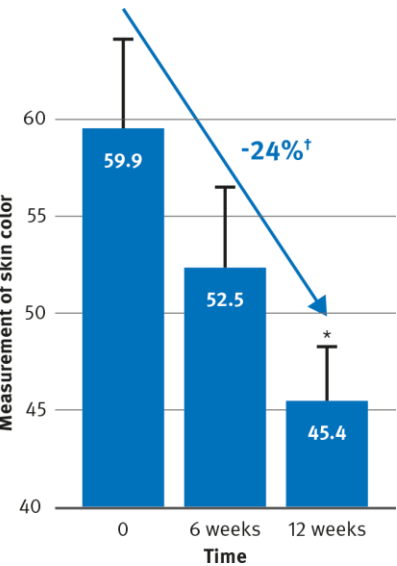
ALPAFLOR® GIGAWHITE CB: clinical study on Asian skin

Excellent skin brightening efficacy and reduction of hyperpigmentation



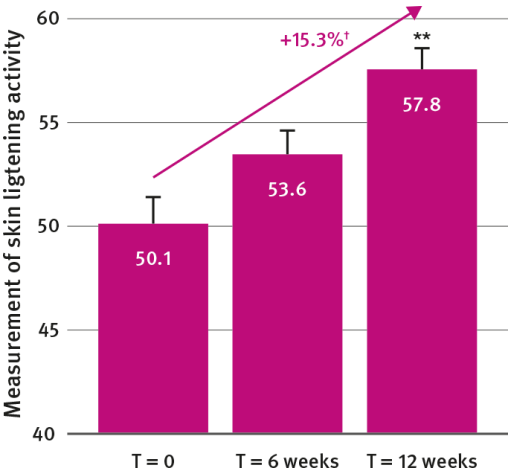
ALPAFLOR® GIGAWHITE CB at 5% shows significant **reduction of age spots color intensity** (-28.6%) after 12 weeks of treatment

Color (clinical reading)



ALPAFLOR® GIGAWHITE CB at 5% shows **excellent skin brightening activity (24% lighter)** after 12 weeks on Asian skin

L-Value



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