

TECHNICAL DATA SHEET

Product name: Edelweiss Flower Powder 10:1

INCI name: Leontopodium Alpinum Flower Extract

CAS: 391900-47-3

Synonyms: Simlera Bubani; Sinoleontopodium Y.L.Chen, Alpen-Edelweiß, Leontopodium nivale subsp. Alpinum (Cass.)

Product quality: The product is concentrated at a ratio of 10:1, meaning that the amount of plant material used to obtain the extract is 10 times greater than the final amount of extract. This ratio is used to emphasize the strength and effectiveness of the extract.

Origin of raw material: China

Description: Edelweiss (*Leontopodium alpinum*) is a very rare and protected plant. It can only be found in very inaccessible rocky mountain cliffs (hence the name - Latin: alpinus = mountainous). It belongs to the sunflower family (Asteraceae) with a very distinctive and characteristic flower which is the main feature of this plant. The flower resembles a lion's paw, hence the name of the plant (Greek: leon = lion and Greek: podion = paw). Edelweiss is the jewel of the Swiss Alps. It thrives in very extreme climatic conditions, in the silence of pure nature. It withstands low temperatures of -35°C in winter, up to +35°C in summer. This mountain plant has been proven to protect the skin from cold, wind, and UV radiation, making it resistant to the negative effects of the external environment. The active principles of edelweiss are: bisabolol, sitosterol, tannins, chlorogenic acid, apigenin-7-glucoside, luteolin, luteolin-4-glucoside. Thanks to its active components, it exhibits strong anti-inflammatory, antioxidant, and antiseptic activity. The powder is dark brown in color with a mild scent of alpine flower. The powder is soluble in water.

Benefits:

• **Antioxidant action:** Edelweiss extract contains various types of antioxidants (Leontopodic acid, Chlorogenic acid, Luteolin, Quercetin, and Beta-sitosterol) that can neutralize free radicals. Free radicals are unstable molecules that can damage skin cells,

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TECHNICAL DATA SHEET

causing damage and premature aging of the skin.

- **Anti-inflammatory action:** Some components of the extract, such as phytosterols, have anti-inflammatory properties and can help reduce inflammation and irritation of the skin, improving the overall condition of the skin.

- **Hydration:** Edelweiss extract may contain substances that increase the skin's ability to retain moisture. This can contribute to skin hydration, making it soft and smooth.

- **Protection against UV radiation:** Certain ingredients in the extract have the ability to neutralize or absorb some UV radiation, which can help protect the skin from damage caused by harmful UV radiation.

- **Stimulation of skin regeneration:** The extract can stimulate skin cell regeneration processes, which can accelerate the healing of wounds, scars, or other damage.

- **Antimicrobial action:** Some components of the extract, such as Leontopodic acid and tannins, have antimicrobial properties and can help suppress the growth of bacteria or other microorganisms on the skin, reducing the risk of infections or acne.

Usage: Used for the production of water-glycerin extracts, glycerites, tinctures, and other cosmetic semi-finished products. Recommended concentrations range from 1-10%.

Animal testing: Substance has not been tested on animals

GMO: Not GMO

Vegan: Does not contain components of animal origin