

Aloe Vera freeze dried gel powder 200:1

Description

Aloe vera is without any doubt one of the most appreciated ingredients in skin care nowadays, with numerous proven activities and well recognized benefits. Topically applied aloe vera has shown to increase collagen deposition (improvement of collagen matrix), reduce inflammation, reduce environmental skin damages and enhances skin hydration. The invaluable trace elements manganese and selenium present in aloe are recognized as powerful antioxidants and cellular anti-aging agents that slow down the aging process. Cells are supported to combat negative effects caused by oxygen and broad spectrum radiation to which human skin is exposed daily. By constant use of aloe vera skin becomes smoother, better hydrated, and more elastic. Aloe gel not only increased collagen content of wounds but also changed collagen composition (more type III) and increased the degree of collagen cross linking. It accelerated wound contraction and increased the breaking strength of resulting scar tissue. Hence, it is also suitable for abrasions and burns.

Our Aloe Vera freeze dried gel powder 200:1 is extracted from the fresh aloe leaves. After washing and sterilizing the leaves are selected and peeled. The inner leaves are then extracted by a modern juice extractor. In further steps the extract is decolorized, filtered and separated by room temperature membrane at normal temperature. After the process of Membrane Separation (MS) finally the concentrated juice is freeze dried to obtain 200:1 Aloe Vera freeze dried gel powder. There are about 0.5 % soluble solid in aloe vera raw leaf mucilage. When 200 kg of 1:1 aloe vera gel juice is frozen and dried, it results into 1 kg of Aloe Vera freeze dried gel powder 200:1. Aloe Vera freeze dried gel powder 200:1 is rich in aloe polysaccharides, protein, organic acid, amino acid, trace elements and many other active components.

Efficacy

- enhances skin hydration
- supports wound healing, f.e. after sun burns or acne
- acts soothing and refreshing
- acts as an antioxidant
- reduces inflammations
- enhances collagen synthesis
- sweetens oral care products
- protects the skin from environmental damages

Appearance

clear to off-white powder

INCI

Aloe Barbadensis Leaf Juice Powder

Registration

CAS-No.....85507-69-3 / 94349-62-9

EC-No.....287-390-8 / 305-181-2

Raw material approved by ECOCERT GREENLIFE, conform to the COSMOS Standard.



Nature needs no cosmetics,
but cosmetics need nature

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Preservatives / Stabilizers

none

Characteristics

aloverose.....>= 80 000 mg/kg
aloin.....<= 0.1 ppm
pH of 0.5 % solution.....3.5 – 4.7
absorbancy of 0.5 % solution (400nm)....<= 0.20
water.....<= 5.0 %

Application

daily cosmetic products
creams and lotions
face masks
gels and ampoules
body care
after sun care
after shave

Application concentration

skin care formulations.....0.1 - 0.5 %
bath and shower products.....0.1 - 0.2 %

Incorporation

Aloe Vera freeze dried gel powder 200:1 can easily be incorporated in the water phase of the formulation. It is soluble in water.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Aloe Vera freeze dried gel powder 200:1 should be stored in a dry and light protected place with good ventilation at 10 - 25 °C. Use as fast as possible once it is open.

In closed original containers the shelf life is three years.