

TECHNICAL DATA SHEET

Product name: Frozen dried Aloe Vera juice powder, concentrated (200x)

INCI name: Aloe Barbadensis Leaf Powder

CAS: 85507-69-3

Chemical classification: Plant-derived product

Functional category: Skin conditioner; humectant, skin healing agent.

Description: Aloe Vera 200x is a white powder with a distinctive odor. It is water-soluble. **Phytochemicals:** Aloe Vera powder 200x contains over 75 different active substances. It is rich in polysaccharides such as acemannan and glucomannan, known for their immune-stimulating and anti-inflammatory properties, contributing to the soothing and hydrating effects of this plant. The powder contains phytosterols like beta-sitosterol, which may have anti-inflammatory and soothing properties for the skin. Aloe Vera contains enzymes such as amylase and lipase, with potential anti-inflammatory effects. The powder is also rich in various vitamins, including A, C, and E, and minerals such as calcium, magnesium, and zinc, contributing to its overall nutritional profile. Aloe Vera contains several essential and non-essential amino acids crucial for various physiological functions. Saponins, natural compounds found in Aloe, have potential antimicrobial and anti-inflammatory properties. The powder contains flavonoids, antioxidants that help protect cells from free radical damage. Aloe Vera contains salicylic acid, known for its mild exfoliating and anti-inflammatory properties, commonly used in skincare products. Lignin, present in Aloe, can enhance the penetration of other substances into the skin, making it a valuable ingredient in skincare products. Aloe content (1:199 w/w) is present.

Benefits:

- Moisturizes and refreshes the skin
- Stimulates circulation, tightens and rejuvenates the skin, promotes wound healing
- Helps with burns and other irritations, aids in soothing sunburns
- Improves the appearance of mature and dry skin, making it more elastic and flexible

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- Acts as an antibacterial agent, reduces infections, and has a positive impact on acne
- Promotes hair growth, eliminates dandruff, maintains hair vitality, and adds shine.

Usage: The powder is dissolved in water and added to the water phase of formulations. Adding 1% Aloe Vera powder 200x to a cosmetic product achieves the same effect as adding the same amount of pure Aloe Vera juice extracted from fresh Aloe Vera plants. Commonly used concentrations are 1% to 3%. The powder has a longer shelf life than liquid Aloe Vera. For external use only.

Application: Aloe vera powder is used in the formulation of skincare products, creams and lotions for sensitive skin, sun protection products, and after-sun products, shampoos and conditioners, aftershave lotions, face masks, makeup, lipsticks, and soaps.

Original materials: Aloe barbadensis (aloe vera)

Extraction method: Prepared from pure Aloe Vera juice free from pesticides, BSE/TSE. The solution is concentrated by removing water, then undergoes filtration and thermal processing. All cellulose fibers are removed before freeze-drying.

Animal testing: Not tested on animals

GMO: Non-GMO

Vegan: Does not contain components of animal origin

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