



OILNAT ALOE VERA GEL 10X

PRODUCT DATA SHEET



The **ALOE VERA** plant is native to northern Africa. **OILNAT ALOE VERA GEL 10X** is 100% natural, extracted from the sap of freshly harvested leaves of the Aloe Vera. The extraction process is very old and it dates back to the time of the Arab Empire.

OILNAT ALOE VERA GEL 10X contains over 75 nutrients and 200 active compounds, including 20 minerals, 18 amino acids, and 12 vitamins. The most important active compounds are: polysaccharides, enzymes, anthraquinones or phenolic compounds, lignin, saponins, sterols, essential oils, amino acids and salicylic acid.

During the manufacturing process, special attention must be paid to not applying excessive heat as this destroys or reduces the effect of certain essential compounds, such as enzymes and polysaccharides.

TECHNICAL DATA

Appearance: Transparent, colorless liquid

Odour: Slightly vegetable

Total solids: > 5.5 %

pH: 3.5 - 4.5

ALOE VERA's beneficial properties may be attributed to the mucopolysaccharides present in the inner gel of the leaf, especially acemannans (acetylated mannans).

Polysaccharides are perhaps the most important active desirable constituents and strongly representative of the overall strength of the preparation. They are the most powerful natural moisturizing agents.

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OILNAT ALOE VERA GEL 10X provides 20 of the 22 necessary amino acids required by the human body and seven of the eight essential amino acids which the body cannot synthesize. They help to nourish skin tissue.

Saponins are soapy substances, they form around 3 % of the gel and are general cleansers, having antiseptic properties. As far as the sterols concerns, Campesterol, β Sitosterol and Lupeol are included. Vitamins B1 and B2 help to promote skin health and β Carotene and Vitamin E provide anti-oxidation properties.

It also contains salicylic acid, a compound that possesses anti-inflammatory and antibacterial properties. At the same time it has a kerolytic effect which helps to soothe the skin.

APPLICATION



OILNAT ALOE VERA GEL 10X has been used for topical treatment of wounds, minor burns, and skin irritations.

The clear gel contained within the leaf makes an excellent treatment for wounds, burns and other skin disorders, placing a protective coat over the affected area, speeding up the rate of healing and reducing the risk of infection. This action is in part due to the presence of aloectin B, which stimulates the immune system¹. Extracts of the plant have antibacterial activity².

OILNAT ALOE VERA GEL 10X has numerous uses in cosmetic products, being appreciated for its unique properties to soothe and moisturize dry, irritated or damaged skin. To achieve the whole benefit of Aloe Vera Gel, the finished product should contain a minimum of 15% of **OILNAT ALOE VERA GEL 10X**.

INCI NAME: Aloe Barbadensis Leaf Juice

¹Chevallier. A. *The Encyclopedia of Medicinal Plants* Dorling Kindersley. London 1996

²Duke. J. A. and Ayensu. E. S. *Medicinal Plants of China* Reference Publications, Inc. 1985