

# J & S Natural Health

Health, Wellbeing and Performance

Product Information

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## **Aloe Arborescens Formula**

### **Product Mechanism Information**

(Info from aloeforlife.pt and study sources at bottom of page)

#### **Background and context**

Aloe has been used for hundreds, if not thousands, of years and the nutraceutical properties of the plant are well known.

There have now been hundreds of studies on Aloe generally, and Aloe Arborescens, that show the incredible effectiveness to provide the body with a full spectrum of phytonutrients (bioactive natural compounds) and nutraceutical properties (functional health foods) needed to support, strengthen and eliminate waste particles from a healthy immune system.

#### **Mechanism – HOW does it work?**

Aloe Arborescens contains Acemannan, a polymer that enhances the immune system by stimulating macrophages (cell that protects from pathogens). These molecules have the ability to coat and impregnate the gastrointestinal surfaces, increasing the fluidity and permeability of these membranes. This is critical as it allows the easy expulsion of toxins and the rapid absorption of nutrition, therefore can be considered a natural immunostimulant and detoxifier.

Another group of active components of Aloe Arborescens are traditional laxative anthraquinones that promote appetite and detoxification as they provide the body with a full spectrum

of phytonutrients as well as nutraceutical properties. It has been seen to delay or prevent the development of chronic diseases, while eliminating particles of toxic waste.

## **Why Arborescens and not Vera**

According to research by the Palatini Institute in Salzano, Venice, Aloe Arborescens is 200% richer in medicinal bio-active substances than Aloe Vera. The simple notion that Aloe Arborescens has a higher concentration of active ingredients is what gives this species the increased therapeutic efficacy.

## **Contains**

- Vitamin A (Retinol)
- Beta-carotene (carotenoid that in the human body is transformed into vitamin A)
- B vitamins (folic acid)
- B1 (thiamine)
- B2 (Riboflavin)
- B3 (Nicotinamide)
- B5 (pantothenic acid)
- B6 (Pyridoxine)
- B12 (Cobalamin)
- Vitamin C (ascorbic acid)
- Vitamin E (Tocopherol)
- Selenium
- Calcium
- Magnesium
- Iron
- Manganese
- Zinc
- Titanium
- Molybdenum
- Sodium
- Phosphor
- Potassium
- Boron
- Copper
- Germanium\*
- Amino acids
- Enzymes (fills 73 of the top 95 in the human body)
- Amino Acids (fills 20 of the top 22 in the human body)
- Polysaccharides
- Tannins
- Hormones, among others.

(\*) Germanium is a very special component found in all plants considered to be "very special" because of their health benefits. It reactivates the immune system, stimulating the production of endorphins, calming the pain and revitalizing the bone marrow.

Lee, J. et al. (2001) Acemannan purified from Aloe Vera induces phenotypic and functional maturation of immature dendritic cells. *International Immunopharmacology*, pp. 1275-1284

Choi, S. & Chung, MH. (2003) A review on the relationship between aloe vera components and their biologic effects. *Seminários em Medicina Integrativa*, pp. 53-62

Clementi, ME. (2015) Aloe arborescens Extract Protects IMR-32 Cells against Alzheimer Amyloid Beta Peptide via Inhibition of Radical Peroxide Production. *PubMed*