

**organicaloe** (PTY)LTD

ALOE FEROX

---

# Bitter Fraction Group



Reg.Nr. 64/05814/07 VAT Reg. Nr. 4690123213



# ALOE FEROX | CLASSIFICATION & UTILIZATION

---

**SCIENTIFIC NAME:** ALOE FEROX MILL

**COMMON NAMES: ENGLISH;** BITTER ALOE, CAPE ALOE, RED ALOE

**AFRIKAANS;** BITTERAALWYN, BERGAALWYN.

**ISIZULU;** INLABA

**ISIXHOSA;** IKHALA

Aloe Ferox is a succulent plant belonging to the Aloaceae family and grows in abundance in South Africa. With approximately 360 species in the family, Aloe Ferox has distinctive spiny leaves and most notably, twice as many amino acids, a powerful Aloin agent and an abundance of polysaccharides when compared to Aloe Vera.

**For centuries, Aloe Ferox has been a popular ingredient for -**

- Skincare products
- Tonic drinks
- Laxative
- Wound healing and ointments
- Immune system booster
- Anti-parasitic formulas
- Antiulcer
- Antidiabetic treatment
- Antiseptic agent

Since 1986, Organic Aloe has been sustainably harvesting Aloe Ferox and processing it into a wide range of raw, added-value materials, suitable for providing an active Aloe Ferox ingredients to your products.

Organic Aloe is a **GMP Certified Company** and members of the Aloe Council of South Africa, to which all of our products are certified.

In addition, we are registered with the **Food and Drug Administration (FDA)** and supply **Ecocert (NOP and EOP)** organically approved products.

## IMPACT

Aloe Ferox is the most commercially utilised indigenous plant in South Africa. Aside from the benefits of the plant itself, the Aloe harvesting alone has a significant and positive impact on the socio-economics of South Africa.

In addition to supporting local businesses with raw Aloe Ferox materials, the harvesting and processing of the plant also provide jobs, especially in and around rural communities where the plant grows.





# ALOE FEROX

VS

# ALOE VERA

**Despite both being part of the Aloaceae family and having healing properties, there is a significant difference between the two plants.**

## PLANT STRUCTURE

- |  |   |
|--|---|
| • Bitter Aloin is found just under the skin and is easily separated from the inner leaf by hand. | • Bitter Aloin is found throughout the leaf and a chemical process is used to extract it. |
| • Spines on the leaves   | • No spines   |
| • Firmer inner gel, making it easier to extract  | • Softer inner gel  |

## MOLECULAR STRUCTURE

- |   |                             |
|---|-----------------------------|
| • 28% higher in Aloin   | • Lower Aloin content       |
| • 36% higher in Amino Acids   | • Lower Amino Acids content |
| • 20 times more Bitter Sap, which is where the healing properties, anti-oxidant and viral stimulate | • Less Bitter Sap           |

## GROWING ENVIRONMENT

- |   |   |
|---|---|
| • Grows wild in South Africa, particularly the Western and Eastern Cape region. | • Heavily cultivated and farmed worldwide |
| • No pesticides or chemicals used in the growing process                        | • N/A                                     |

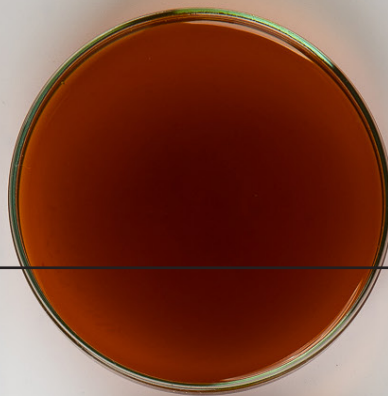
ALOE FEROX

---

# Bitter Fraction Group

Bitter fraction comes from the sap of freshly harvested Aloe Ferox leaves. Grown in the wild and sustainably harvested, we process and convert the sap into different raw materials, which can be added to your products.

**Our factory is both Food Health and Safety and a GMP Certified Facility.** Thanks to the Aloe Emodin compound, Aloe Ferox is widely used for its laxative and cleansing effects, amongst other health-promoting properties.



# BITTER FRACTION | **PRODUCT GROUPING**

---

**We process our sap for bitter fraction into two raw material groups.**

## **ALOE SPRAY DRIED BITTER POWDER**

The sap is collected from the leaves, filtered and then spray dried to produce a fine powder.

Depending on the raw form and application method of your final product, the Aloe spray-dried bitter powder can have different results:

- Ideal for digestive tonics, insecticidal preparations, treatment/pet shampoos and body lotion.
- Skin and wound healing properties, when applied to a gel.
- When used in water as a supplement for livestock, it can eliminate parasital organisms in the digestive system.
- If combined with aloe gel nutrients, it can be used as an ointment or a body lotion.

## **ALOE LUMP**

Processing Aloe Lump means collecting the sap from the leaves, cooked down and then left to cool which forms a hard, solid lump which is the base for our Aloe Lump raw materials process.

Depending on your application, aloe lump has several benefits when added to formulas:

- 100mg taken orally delivers a laxative effect and can relieve irritable bowel syndrome symptoms and relief from arthritis.
- A digestive cleanser, antioxidant, anti-inflammatory, anti-cancer and laxative, safe for human consumption when added to drinks.
- An antimicrobial against internal parasites in livestock

## BITTER FRACTION | **PRODUCT RANGE**

---

*\* No additives or parabens added. No animal testing or animal-derived products used. Organically certified by Ecocert (NOP & EOP) & Veterinarian*



### **ALOE LUMP**

INDUSTRY USED: Pharmaceutical

APPLICATION: Manufacture bitter drinks



### **ALOE LUMP GRANULES**

INDUSTRY USED: Agricultural & Veterinarian

APPLICATION: Used in cattle feed and water as a supplement for livestock



## BITTER FRACTION | **PRODUCT RANGE**

---

*\* No additives or parabens added. No animal testing or animal-derived products used. Organically certified by Ecocert (NOP & EOP) & Veterinarian*



### **ALOE SPRAY-DRIED BITTER POWDER**

INDUSTRY USED: Beverage & Personal use

APPLICATION: Produce a variety of tablets and capsules for detox and natural healing

Produce healing creams and ointments

Produce natural healthcare products for a healthy colon

Produce own aloe drinks.

Manufacture slimming, health and nutritional range of products



### **ALOE LUMP POWDER**

INDUSTRY USED: Agricultural & Veterinarian

APPLICATION: Used in cattle feed and water as a supplement for livestock







# REFERENCES

---

Loots, du T. van der Westhuizen, FH. Botes. L (2007, July 28). **Aloe Ferox Leaf Gel Phytochemical Content, Antioxidant Capacity and Possible Health Benefits.** Retrieved from <https://www.ncbi.nlm.nih.gov/pubmed/17661490>

Chen, W. van Wyk, BE. Vermaak, I. Viljoen, AM. (2011, September 17). **Cape Aloes - A Review of the Phytochemistry, Pharmacology and Commercialisation of Aloe Ferox.** Retrieved from <http://bit.ly/3aYps5>

Steenkamp, Vanessa & Stewart, M.J.. (2008). **Medicinal Applications and Toxicological Activities of Aloe.** Products. Pharm Biol. 45. 411-420. 10.1080/13880200701215307.

Kamba, ET. (2014). **Effects of Aloe ferox in drinking water, on growth performance, blood parameters, meat quality, fatty acid profile and oxidative stability of broiler meat.** Retrieved from <http://hdl.handle.net/20.500.11837/288>

# organicaloe<sup>(PTY)LTD</sup>

---

## ADMINISTRATION

**t:** +27 (0)28 735 1557  
**e:** admin@organicaloe.co.za

## ADDRESS

39 Industrial Avenue, P.O. Box 199,  
Albertinia 6695



**Reg.Nr.** 64/05814/07 **VAT Reg. Nr.** 4690123213