

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

ALOE FEROX

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## Leaf Fibre Products



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



# ALOE FEROX | CLASSIFICATION & UTILIZATION

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**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 we are committed to using wild-harvested raw material and value-added 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

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# Leaf Fibre Group

When Aloe ferox leaf fibre products are added to your formula, they can be used to create a source of natural fibre, laxative effects, beverages or health supplements. The leaves are harvested and processed at the Organic Aloe factory.

**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.



# LEAF FIBRE | **PRODUCT GROUPING**

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**To create Aloe Leaf Fibre Products there are two processes, which have two different results.**

## **WHOLE LEAF BITTER FIBRE**

Freshly cut, processed Aloe ferox leaves which are then dried, milled and sieved. It's important to note that the finished product contains less than 5% of Aloin, which has a mild laxative effect when ingested.

Depending on your product objective, there are several results that you can achieve with whole leaf bitter fibre -

- Can be used to create bitter and or aloe drinks
- Produce your own natural healthcare product range, especially for a healthy colon
- Manufacture a natural, nutritional supplement range

## **ALOE FEROX INNER LEAF FILLETS**

For fillets, the leaves are freshly cut and filleted to remove the Aloin which results in a laxative-free product, ideal drinks.





# LEAF FIBRE | PRODUCT RANGE

*\* No additives or parabens added. No animal testing or animal-derived products used. We are committed to using wild-harvested raw material and value-added products.*



## WHOLE LEAF BITTER FIBRE, WITH ALOIN

- INDUSTRY USED:    Pharmaceutical, Beverage and Personal use
- APPLICATION:     Manufacture bitter drinks
- Produce tablets and capsules for detox and natural healing
- Produce natural healthcare products, especially for a healthy colon
- Produce weight-loss, laxative and detox aloe-based drinks



## ALOE TEA

- INDUSTRY USED:    Pharmaceutical, Beverage and Personal use
- APPLICATION:     Manufacture bitter drinks
- Produce tablets and capsules for detox and natural healing
- Produce natural healthcare products, especially for a healthy colon
- Produce weight-loss, laxative and detox aloe-based drinks





### **ALOE TEA BLENDS**

INDUSTRY USED: Pharmaceutical, Beverage and Personal use

APPLICATION: Manufacture bitter drinks

Produce tablets and capsules for detox and natural healing

Produce natural healthcare products, especially for a healthy colon

Produce weight-loss, laxative and detox aloe-based drinks



### **WHOLE LEAF, NON-BITTER FIBRE**

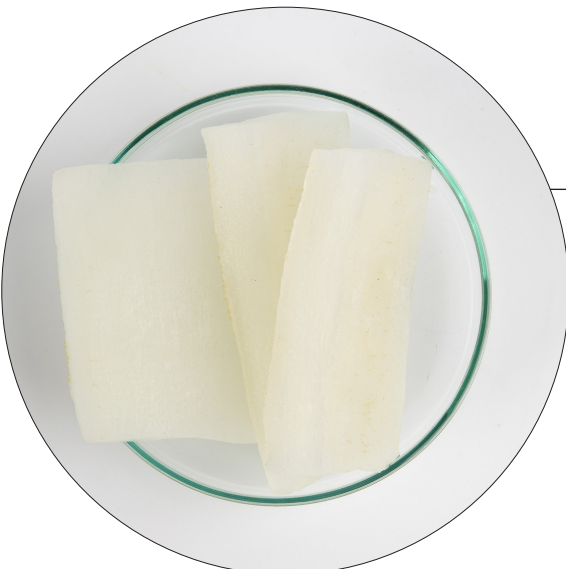
INDUSTRY USED: Pharmaceutical, Beverage and Personal use

APPLICATION: Manufacture drinks

Produce tablets and capsules for detox and natural healing

Produce natural healthcare products, especially for a healthy colon

Produce weight-loss, laxative and detox aloe-based drinks



### **ALOE FEROX INNER LEAF FILLETS, NO ALOIN**

INDUSTRY USED: Beverage

APPLICATION: Formulate laxative-free, aloe drinks







# REFERENCES

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Fox, Lizelle & Gerber, Minja & Preez, Jan & Du Plessis, Jeanetta & Hamman, Josias. (2014). **Skin permeation enhancement effects of the gel and whole-leaf materials of Aloe vera, Aloe marlothii and Aloe ferox.** Journal of Pharmacy and Pharmacology. 67. 96-106. 10.1111/jphp.12311.

Jambwa, T. Viljoen, A. Hamman, J. 2011. 'Matrix forming excipients from natural origin for controlled release matrix type tablets' **Journal of Drug Delivery Science.** Vol 21. Issue 5. pp. 433-439.

Mhaladi, R. (2014, November 13). **The Therapeutic Value of Aloe ferox Mill.** Retrieved from <http://bit.ly/2t8t1Ck>

Marumo, M Dr. Naicker-Manick, P. Tshitwamulomoni, L. (2014, October). **Resource Assessment for Aloe ferox in South Africa.** Department of Environmental Affairs. Republic of South Africa



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