



# Technical Data Sheet

## **Aloe Ferox Bitter Lump Powder (“Crystal Powder”)**

Product Code: BCP1KG

### **Chemical Description**

Aloe ferox bitter lump is the dried bitter sap (latex) tapped from the leaves of the Cape Aloe (*Aloe ferox*). The sap is concentrated by evaporation of the water until it crystallises upon cooling. It comprises of mainly aloin (also known as barbaloin) but also various other plant metabolites such as flavones and anthrones, various phenolic and resinous substances, and minerals. No additives are added.

### **CAS Number**

Not assigned

### **INCI Designation**

Aloe Ferox Leaf Juice

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### **Product Description and Applications**

Health: Medicines and Supplements

Animal care: Antiparasitic remedies

It has also been used in tonics and health supplements. A monograph on pharmaceutical grade bitters, Aloe or Cape Aloe can be found in Pharmacopoeias like the BP, USP and DAB where it is presented as a medicinal ingredient. It is used in medicines for its laxative effect.

It has found application in veterinary products for its antiparasitic (endo- and exoparasites) activity. It can be used in pet shampoos and sprays. It is incorporated into licks for cattle.

It has been shown to be effective against *Haemonchus contortus* and *Trichostrongylus colubriformis*, parasites found in livestock and non-toxic up to concentrations of 20 g/kg. As a result of its phenolic ingredients it shows antimicrobial activity.

**Warning:** The product has a strong laxative effect. Not to be used by pregnant and breast-feeding woman or children.

### **Specifications**

Appearance

Taste

Moisture

Ash

Aloin

Solids

Preservatives

### **Limits**

Dark brown crystalline coarse powder with a green to yellow hue

Extremely Bitter

<15%

<7%

>18%

>80%

None

### **Typical Properties**

Partly soluble in hot water

Soluble in alcohol

### **Packaging**

Standard sample size is 4 gram

Small size: 1 kg

Bulk size: 20 kg per box

### **Storage and Handling**

Store in an airtight container at <25°C away from moisture and direct sunlight.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.