

## KIGELIA EXTRACT

(PARABEN-FREE)

Ref.: HB820PEX2

### ► DEFINITION

Liquid extract of fresh Kigelia (*Kigelia africana*) fruits prepared with water and butylene glycol as solvents. This product is free of parabens.

### ► THE PLANT

The kigelia trees are medium-size spreading trees (10-15 m.) with pendulous racemes of dull liver-coloured flowers and long-stalked, large gourd-like fruits (25-30 cm long and 8 cm of diameter). They grow in tropical Africa and Southern India. The French name « saucissonnier » refers to the sausage-shaped fruits.

In Africa, the fruit is traditionally used by women. They crush the pulp to obtain a thick liquid that they apply to firm up and develop their breast.



### ► ACTIVE INGREDIENTS

The kigelia fruit contains interesting amounts of steroidal saponins and flavonoids (especially luteolin and quercetin). It also includes fats and phenolic compounds.

### ► SPECIFICATIONS

Appearance:	Limpid liquid
Colour:	Brown to dark brown
Odour:	Characteristic
Plant / extract ratio:	1/1
Density (20°C):	1.025 ± 0.010
Refractive index (20°C):	1.385 ± 0.010
pH (direct):	5.5 ± 1.0
Pesticides	0.2 ppm max.
Heavy metals	0.3 ppm max.
Solubility:	In water and hydroalcoholic solutions
Preservation system:	0.9 % Phenoxyethanol 0.1 % Ethylhexylglycerin
Identification of Steroidal saponins:	Positive
Identification of Flavonoids:	Positive

Total germs:	< 100 cfu/ml
Yeast and mould:	< 100 cfu/ml
Pathogens:	Absence

**▶ PROPERTIES**

Tests show that the Kigelia Extract is active in breast uplifting and firming. The properties are explained by the presence of steroidal saponins (stigmasterol, B-sitosterol, estrone-like) that have a hormone-like activity.

Some studies have demonstrated that oestrogens increase the activity of the fibroblasts, stimulate the formation of collagen and elastin fibrils, and thus have beneficial effects on the structure and tonicity of the skin. Flavonoids are also beneficial. They are potent anti-oxidants that protect the skin from free radicals. They also protect collagen and elastin from the enzymatic degradation, and improve blood circulation (vitamin P activity).

**▶ APPLICATIONS**

Bust and breast firming and uplifting preparations (creams, milks, gels, etc...).

Use level: 3 - 10 %. Up to 20% in professional massage products and 50% in concentrated serums.

The Kigelia Extract can also be effective in anti-aging and firming preparations for the face (2 - 7 %).

The Kigelia Extract should be added in your preparation at a temperature that does not exceed 40°C.

FOR EXTERNAL USE ONLY.

**▶ TOXICITY**

Oral toxicity:	Not considered as toxic (LD 50 oral/rats of butylene glycol > 22 g /kg)
Skin irritation (100 %):	Not irritant
Eye irritation (100 %):	Slightly irritant
Eye irritation (10 %):	Not irritant

**▶ PRODUCT IDENTIFICATION**

<i>INCI Name (EU)</i>	<i>INCI Name (US)</i>	<i>CAS no.</i>	<i>Einecs no.</i>
Aqua	Water	7732-18-5	231-791-2
Butylene Glycol	Butylene Glycol	107-88-0	203-529-7
Kigelia Africana Fruit Extract	Kigelia Africana Fruit Extract	223749-33-5	--

Custom tariff no. (EU): 1302197000

**▶ STORAGE**

Keep in the original tightly-closed container, at room temperature (20°C), away from light, heat, and humidity sources.

▶ REFERENCES

The complete references are available on request.