The challenges of maintaining and enhancing skin firmness and skin elasticity are the target of many cosmetic preparations, but few ingredients can make the clinically proven claims that are possible with **Kigafirm**, the remarkable fruit extract of the mystical African tree, *Kigelia africana*.

ZUPLEX
BOTANICALS

KIGAFIRM

KIGAFIRM

INCI NAME

Kigelia africana fruit extract, propanediol, water

CHARACTERISTICS

Appearance: Brown liquid, characteristic smell

Solubility: Water soluble, partially soluble in ethanol

pH: 5.2

pH range: 4.5–6.5

- Cosmos approved
- China compliant
- Non-irritant
- Standardised
- Derived from nature
- Safe

USAGE

Use level: 2–5%

Shelf-life: 24 months

EFFICACY

Skin firmness:
⬆ 8 % (14 days)
⬆ 13 % (28 days)

Skin elasticity:
⬆ 6.4 % (14 days)
⬆ 9.8 % (28 days)

SOURCE

Kigafirm is a targeted extract of *Kigelia africana* fruit that maximises firming and anti-inflammatory activity. The large tree occurs throughout Africa and produces greyish-brown sausage-shaped fruits that grow up to 60 cm long and weigh up to 7 kg.

TRADITIONAL USES

Kigelia africana has been traditionally used for breast firming in central Africa and is said to have Aphrodisiac properties. It's traditional medicinal applications include the treatment of various skin related disease such as eczema, fungal infections, psoriasis and boils.

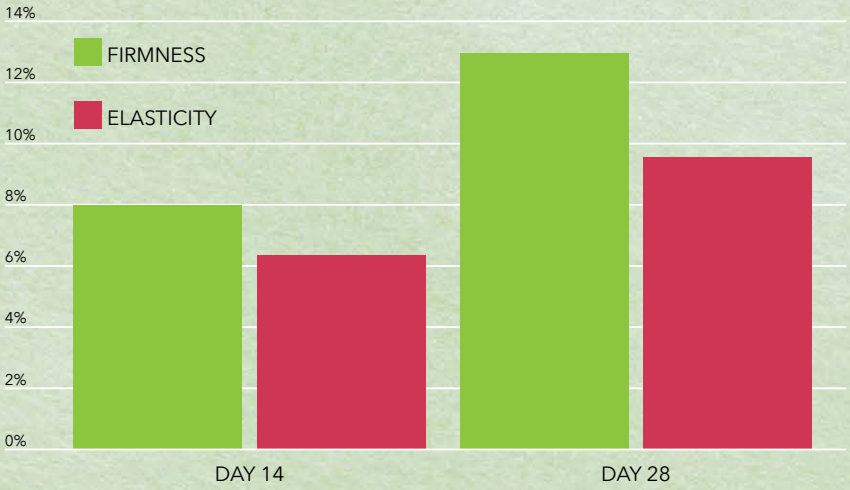
ACTIVE COMPONENTS

The fruit contains iridoids (Verminoside), naphthoquinones, flavonoids, terpenes and phenylethanoglycosides.

CLAIMS

Several publications in the academic literature have shown that extracts of *Kigelia* show anti-inflammatory activity with low toxicity. The skin firming capacity of the extract has been shown in independent trials.

Kigafirm is targeted at the skin firming and anti-inflammatory potential of this plant. *Kigelia africana* contains verminoside that confers anti-inflammatory activity and anti-nociceptive activity with very low toxicity (LD_{50} or 1.3 g/kg). Verminoside has been shown to inhibit enzymes involved in inflammation by up to 83% at very low concentrations.



SOIL ASSOCIATION APPROVED
COSMOS APPROVED

HALAAL NATIONAL INDEPENDENT HALAAL TRUST
H786/NR295

zuplex.co.za