

Sabal Serrulata lipophilic

Description

Phytosterols are important ingredients of plants. They are structural components of the cell walls in plants comparable to the function of cholesterol in animal cells. Phytosterols are concentrated in those parts of the plant which are supposed for growth. Phytosterols are lipophilic. As part of human food they get into blood, but only in small and often insufficient quantities. A part of the phytosterols is transferred to the skin, where they have been identified in the lipidic film of the skin. Already in small quantities they protect the cells and therefore they are very important for the care and health of the skin.

Sabal Serrulata lipophilic is a lipophilic extract of the drupes of the small palm *Serenoa repens*. This fan palm is endemic to southeastern United States. It is reaching a height of around 2 - 4 m with dark red to black very hard fruits. The drupes are highly enriched with phytosterols (mainly β -sitosterol) and free fatty acids like oleic, palmitic, lauric and myristic acid. The phytosterols are found in free form and as fatty acid esters as well as glucosides. Our product was developed based on the idea to offer natural protection for intact skin, but also for the care of already damaged skin. The lipophilic extract of the fruits of sabal causes a nice slightly fatty film on the skin which contains little fat but is rich in phytosterols. It is especially suitable for dry hair (brings shine back) and skin. The thin protecting film of the lipophilic ingredients of sabal has in addition an antiphlogistic and antipruritic effect which is appreciated in daily creams, preparations for sun protection, lip sticks, pre- and after shaves.

Efficacy

- reduces inflammations: **4 % Sabal Serrulata lipophilic showed a remarkable reduction of IL-6 production by 223 %**
- enhances skin barrier repair: **4 % Sabal Serrulata lipophilic showed a regeneration of skin barrier function up to 75 %**
- normalizes sebum production
- reduces itching
- soothes the skin
- brings shine and care to dry hair

Please have a look at our
[Leaflet_5053_Efficacy_e](#) for more details.

Appearance

clear to slight opaque, green to yellow coloured solution

INCI

Serenoa Serrulata Fruit Extract

Registration

CAS-No.:
Serenoa Serrulata Fruit Extract.....84604-15-9
 Tocopherol.....10191-41-0
 EC-No.:
Serenoa Serrulata Fruit Extract.....283-292-4
 Tocopherol.....233-466-0

Raw material approved by ECOCERT GREENLIFE,
 conform to the COSMOS Standard.



Nature needs no cosmetics,
 but cosmetics need nature

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Preservatives / Stabilizers

preservative.....none
stabilizer Tocopherol.....0.2 %

Characteristics

Phytosterols.....min. 2 %
Sabal Serrulata/ extraction medium.....1 : 5
content of fatty acids.....max. 2.5 %

Application

daily cosmetic products
creams and lotions
face masks
body care
after sun care
after shave
men care
hair care

Application concentration

skin care formulation.....0.5 - 5 %
shampoo.....5 %
conditioner.....1 %
hair spray.....0.5 - 1 %

Incorporation

Sabal Serrulata lipophilic is soluble in ethanol, plant oils and lipids. It is formulated in the oil phase.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Sabal Serrulata lipophilic should be stored in a dry and light protected place at 10 - 25°C.

In closed original containers the shelf life is five years. Slight sediments at the bottom of containers do not cause any loss of efficacy.