



Babaçu oil

Product:	Babaçu Oil	Colour:	White to light yellow
Code:	PA3021	Odour:	Characteristic
CAS Number:	91078-92-1	Solubility:	Water insoluble
INCI Name (CTFA):	Orbignya Oleifera Seed Oil	Apperance:	Viscous liquid

Babaçu is generic name given to oil palm trees which belong to the family Palmaceae and member of the genus Attalea and Orbignya. The second genus includes species that predominate in the northern region of Brazil (Maranhao, Piaui, Tocantins and Para). The specie Orbignya oleifera produce more fruits therefore, the largest oil production.^{1,2}

Properties

It has emulsifying properties which justify its use in the preparation in the O/W type emulsions. As an active ingredient, it can be used in skin and hair products because of its moisturizing action.³

It is used in the manufacture of soap, replacing fats of animal and vegetable origin and as raw material to obtain surfactants. Babaçu almond is used in baby products in the form of liquid talc. When crushed, the seed produces a powder, known as babaçu powder, which absorbs moisture and helps protect the baby's skin, especially in the region of direct contact with the diaper.⁴

Indication

The composition of almond oil has a high content of lauric and myristic acid. It has emollient properties, promoting hydration of the skin without increasing its oiliness, can be used in products for dry and oily skin, and act as an oil phase carrier. Studies show that pretreatment of the skin with lauric acid increases its permeability to certain active principles.^{5,6}

Quality / Differential

Product 100% Natural

One of the differentials to be highlighted from the oils and vegetable butters produced by Citróleo is that during its process of obtaining, they are not submitted to the refining stage. It would be at this stage that they would be exposed to high temperatures in order to be neutralized, clarified and deodorized.

However, this type of technique degrades several biomolecules of high nutritional value, naturally present in oils and butters, such as vitamins (responsible for benefits such as antioxidant power) and thermo sensitive carotenoids (which act to maintain the health of the skin). Already in the process of obtaining cold pressing, used by Citróleo, the fruits are selected and the natural maturation time is respected, preserving their compounds and guaranteeing their properties, since they do not undergo the thermal stress of refining.

Product 100% Pure

Another important differential is that the company does not perform any kind of blend for adulteration of the oils and butters it produces, since the oils used for this purpose have no nutritional benefit or any value that can be added in a final cosmetic. Thus, the plant products offered by Citróleo maintain their natural aspects, like characteristic color and odor, physical form and actual concentration of the substances of interest.

Dosage / Usual Concentration

Creams and cremmy lotions: between 0.5 and 5%

Bar soaps: between 0.5 and 8%

Hair products: between 0.1 and 1%

References

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- [6] GREEN, P.G.; GUY, R.H.; HADGRAFT, J. In vitro and in vivo enhancement of skin permeation with oleic and lauric acids. *Internatioanl Journal of Pharmaceutics*, v. 48, issues 1-3, p. 103-111, dec. 1988.