



Andiroba oil

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| Product: | Andiroba oil | Colour: | Light yellow to light brown |
| CAS Number: | 352458-32-3 | Odor: | Characteristic |
| Code: | PA3012 | Solubility: | Insoluble in water |
| INCI Name (CTFA): | <i>Carapa guianensis</i> seed oil | | |

In the Amazonia state, the name Andiroba refers to two different species: *Carapa guianensis* Aubl. That occurs in all Amazon basin and *Carapa procera* D.C, specie restricted to some areas in the Amazon.^[1]

Properties

Andiroba oil is basically composed of fatty acids: myristic, palmitic, stearic, oleic, linoleic and linolenic.^[2] It's possible find studies that indicate the utilization of the andiroba oil as Biofuel, insect repellent besides its cosmetic use with antioxidant action, inhibitory action on cellulite formation, stimulation action in the activation of melanin production (acting preventively in the appearance of gray hair)³ besides promoting anti-inflammatory and regenerative action.^[1]

Indication

It's indicated from use in creams and lotions regenerative, anti-cellulite products, liquid and bar soaps and products for treatment for scalp care.^[5]

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,

Differential

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

As phytocosmetic in creams and moisturizers, shampoos, conditioners, creams, lotions and gels, at a dosage of 2 to 5%
Creams/lotions repellents 1 to 5%

References

- [1] FERRAZ, I.D.K; CAMARGO, J.L.C.; SAMPAIO, P.T.B. 2002. Sementes e Plântulas de andiroba (*Carapa guianensis* Aubl. e *Carapa procera* D.C.): Aspectos botânicos, ecológicos e tecnológicos. *Acta Amazonica*, 32(4): 647-661.
- [2] CARVALHO, J.C.T. *Fitoterápicos Anti-inflamatório (aspectos químicos, farmacológicos e aplicações terapêuticas)*. 1ª ed. São Paulo: Tecmedd Editora, v.1. 480 p. 2004.
- [3] MARIA F.T. MEDEIROS, ALEXANDRE A. DIAS. Análise histórico-documental sobre o uso da andiroba. 64º Congresso Nacional de Botânica Belo Horizonte. Universidade Federal de Campina Grande (UFCG), 2013.
- [4] SOUSA, V.M. *Ativos Dermatológicos*, Editora Tecnopress, São Paulo, 2003.
- [5] BATISTUZZO, J.A; ITAYA, M; ETO, Y. *Formulário Médico-Farmacêutico*. São Paulo/SP:Tecnopress, 3ª Ed. 2006.