

Pracaxi oil

Product:	Pracaxi oil	Colour:	Pale yellow to yellow
Code:	PA3024	Odour:	Characteristic
CAS Number:	866620-18-0	Solubility:	Water insoluble
INCI Name (CTFA):	Pentaclethra macroloba seed oil	Appearance:	Viscous liquid

The pracaxi (*Pentaclethra macroloba* Willd Kuntze) belongs to the Fabaceae family and in Brazil, it is found on the banks of rivers and floodplain areas as well as some areas of dry land in the states of Acre, Amazonas, Amapá, Bahia, Pará and Roraima. ^{1, 2, 3, 4, 5}

Properties

The pracaxi oil is composed of several fatty acids, with oleic acid (53%) and behenic acid (16%) followed by linoleic and lignoceric acids, making up 96% of the total fatty acids present in that oil. ^{6, 7}

Indication

It is popularly used for hair treatment, aiding in hairstyle, increasing brightness and preventing hair loss. Promotes elasticity to the skin and can be used in the treatment of stretch marks. When applied on skin blemishes it can promote whitening. It is also used in makeup because of its humectant property. ⁸

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, creamy lotions and gels: 1 to 5%.

Conditioners and hair care products: 3 to 7%

Bar soaps: 3 to 7%

Makeup: 0.5 to 5%

References

- [1] ENIEL DAVID CRUZ, HELLEN SÍGLIA DEMÉTRIO BARROS. Germinação de sementes de espécies amazônicas: pracaxi. Comunicado técnico – EMBRAPA. Belém, PA, 2015.
- [2] PESCE, C. Oleaginosas da Amazônia. Belém, PA: Oficina Gráfica da Revista da Veterinária, 1941. 164 p.
- [3] DUCKE, A. As Leguminosas da Amazônia Brasileira. Boletim Técnico do Instituto Agronômico do Norte, Belém, v. 3, n. 18, p. 70, dez. 1949.
- [4] SILVA, M. F. da; CARREIRA, L. M. M.; TAVARES, A. S.; RIBEIRO, I. C.; JARDIM, M. A. G.; LOBO, M. da G. A.; OLIVEIRA, J. As leguminosas da Amazonia brasileira – lista previa. Acta Botanica Brasilica, v. 2, n. 1, p.193-237, 1989. Suplemento.
- [5] FONSECA, E. T. da. Óleos vegetais brasileiros (inclusive resinas, gomas, breus, ceras). 2. ed. Rio de Janeiro: Revista dos Tribunaes, 1927. 342 p.
- [6] MORAIS, L.R. Produção de óleo de duas espécies amazônicas por prensagem: Bacuri Platonia insignis (Mart) e Pracachy Pentaclethra macroloba (Willd). Dissertação (Mestrado em Química Orgânica) – Universidade Federal do Pará, 2005.
- [7] COSTA, M.N.F.S.; MUNIZ, M.A.P.; NEGRÃO, C.A.B.; C.E.F.; LAMARÃO, M.L.N.; MORAIS, L. SILVA JÚNIOR, J.O.C.; COSTA, R.M.R. Characterization of Pentaclethra macroloba oil. Journal of Thermal Analysis and Calorimetry, p. 1, 2013.
- [8] MORAIS, L.R. Banco de dados sobre espécies oleaginosas da Amazônia – não publicado.