



About us: Who We Are

YBI BRASIL is a Brazilian company focused on supplying **Non-Wood products** from Brazilian biomes to cosmetic, pharmaceutical and functional food industries all over the world. The main non-wood products we supply are: **special vegetable oils, butters, resins, extracts** and others. We offer a variety of services in the areas of **botanical material prospection for industrial use**, and the **development of botanical ingredients to fit into cosmetics formulation**.

OILS



AÇAÍ - *Euterpe oleracea*

High antioxidant concentration, 33 times more than grape; Rich in essential fatty acids. Açai oil presents itself as a new cosmetic active, originating in the Amazonian Forest, which offers numerous benefits for the maintenance of skin balance.

ANDIROBA SEED OIL - *Carapa guianensis*

The oil contained in the almond of the andiroba is pale yellow and extremely bitter. When subjected to temperatures below 25°C, solidifies getting the consistency similar to vaseline. Contains substances such as olein, palmitina and glycerin. It has antiseptic, anti-inflammatory, and insecticides features. Popularly, the oil is used for bruises, swellings, rheumatism and scarring, rubbing it over the injured area. In the cosmetics industry, the oil is used in soaps, shampoos and creams. The oil is taken as a remedy for baldness. It also works well as a natural solvent.



AVOCADO - *Persea americana*

Avocado oil is rich in antioxidant vitamins like A, E fatty acids and natural antioxidants. Among the most active fats we have lecithins, phytosterols (beta-sitosterol especially) and monounsaturated fats.



BRAZIL NUT OIL - *Bertholletia excelsa*

Our Brazil-nut oil has been used mainly by the cosmetics industry. It is also used as a nutritional supplement due to its high nutritional content in essential fatty acid and phytosterol content, being 30% of its composition, omega-6. Our extraction process at low temperature, allows our oils do not deteriorate, jeopardizing the wealth of their properties. The Brazil nut oil is also used as a lubricant in clocks and color for artists.



BURITI PULP OIL - *Mauritia flexuosa*

The Buriti name comes from the Tupi Guarani. Buriti in the Indian language means "tree that emits liquid" or "tree of life." Considered sacred by the Indians for providing all that is necessary for survival; shelter, food and objects.

Our oil is extracted from the pulp, which has grease composition, rich in unsaturated fatty acids (palmitic and oleic acids) and high content of carotenoids, behaving like one of the richest sources of provitamin A, with high concentration of tocopherols, excellent antioxidant activity and high oxidative stability



COCO - *Cocos nucifera*

Coconut oil is a fatty substance which contains about 90% saturated acids. In this oil are found essential fatty acids and glycerol. It has a high content of lauric acid, myristic acid and caprylic acid, among others. Fundamentally, coconut oil is used as a humectant.



COPAIBA OIL - *Copaifera langsdorffii*

Studies have shown that the therapeutic efficiency of the integral oil-resin, is larger than those of any other isolated parts of the Copaiabeira. In vivo and in vitro Research have shown that oils of various species of Copaiba have various therapeutic properties.

Anti-inflammatory and natural antibiotic.

Powerful anti-mycosis (destroys or prevents microscopical fungus growth).

It has antiseptic properties, both topically and internally, acting on the respiratory and urinary apparatus. Use in perfume industry.



CORN OIL - *Zea mays*

Corn oil is a healthy edible oil which we use commonly in our cooking, like canola oil or safflower oil. Corn oil is quite a healthy oil because it is composed mainly of polyunsaturated fatty acids (PUFAs) and low on saturated fat. It is also used in skin care and hair care, besides many other industrial applications.



GRAVIOLA - *Annona muricata*

Graviola is a plant that has long been used in alternative medicine, especially by indigenous tribes throughout the Amazon Rainforest and part of the Caribbean (Central America). The fruit is also rich in carbohydrates, especially fructose. Contains vitamin B1, B2 and C.



GREEN COFFEE OIL - *Coffea arabica*

The green coffee oil is obtained by pressing the selected coffee beans of the Arabica coffee varieties. The green coffee oil presents above 8% of unsaponifiable substance, being practically 50% due to the presence of phytosterols, compounds which contribute to the stability increase of the membranes and to the moisturizing of the skin. Besides that, phytosterols possess the restoring function on damaged skin. Normally should be applied in cosmetics formulations mainly and solar screens in concentrations of 1 to 3%.

Cosmetics uses include anti-ageing, regenerating, detoxifying creams.



**MARACUJÁ - *Passiflora seed oil***

The passion fruit seed oil is pressed from the seeds of the passion fruit. It is rich in essential fatty acids, acts as anti-inflammatory and soothes irritated skin. The oil does not feel to be greasy. It is a gentle and non-viscous oil, traditionally used for softens, protect and moisturize the skin.

With approximately 70% linoleic acid (polyunsaturated fatty acid omega-6), passion fruit oil contains antioxidants and can be used to improve skin elasticity, and also can be used in products that soften the hair and treating dry flaky scalp.

PATAUÁ - *Oenocarpus pataua*

Rich in oleic acid (76%), analogous to olive oil (*Olea europaea*), unsaturated fatty acids > 80%. The oil extracted from the mesocarp of patauá appears as a transparent greenish-yellow liquid with a slightly pronounced odor and taste similar to that of olive oil (*Olea europaea*), as well as its physical appearance and composition of fatty acids. Its high degree of unsaturated fatty acids is remarkable.

**PEANUT OIL - *Arachis hypogaea***

Peanut oil can be either (1) cold-pressed, which has a deep yellow color and a pleasant nutty aroma and sweet flavor, or (2) refined, which is light yellow, has a neutral taste, and is devoid of allergens and impurities. You can also buy roasted peanut oil, which has a deeper flavor and color, and is best used for flavoring, drizzled over dishes, or added to dressings, sauces, and marinades

PEQUI OIL - *Caryocar brasiliense*

Pequi oil, *Caryocar brasiliense*, possesses a unique combination of essential fatty acids and is highly emollient, making it an effective moisturizer for products intended to heal dry and cracked skin, eczema and psoriasis. It can also be used in the production of specialty soaps intended to aid skin conditions. When used in hair care formulations, pequi oil helps smooth the hair cuticle to increase smoothness and shine and decrease frizziness.

**PRACAXI OIL - *Pentadethra***

The oil is obtained by a natural cold press process of the seeds and flesh, using no solvent nor any chemicals. Hence allowing to keep the best properties of the fruit for Cosmetic use.

Pracaxi seed oil has been used for generations for treatment of skin spots, depigmentation, severe acne and acne scars, it helps to hydrate and promote cellular renewal.

Helps in the prevention of stretch marks. Ideal to treat skin infections. Useful in treating dry and tired skin, to avoid wrinkles and pigmentation marks by speeding up the healing process. Suitable for all kind of skin.

BUTTERS

**BABASSU - *Orbignya phalerata***

Babassu oil has the highest saponification index and the lowest iodine and refraction value among all industrial vegetable oils, which makes it ideal for the manufacture of creamy ointments, difficult to obtain with oils without these characteristics. Babassu oil has emulsifying and emollient properties, being a common ingredient of creams, lotions, bar soaps, conditioners and bath oils, also due to its moisturizing properties.

BACURI - *Platonia insignis*

The grease composition of the bacuri oil corresponds to an oil of high absorption, due to its high level of tripalmitin (50 to 55%), which acts as a conduit penetrating the skin rapidly. The high value of palmitolytic fatty acid (5%), compared to other oils having not more than 0.5 to 1.5%, qualifies bacuri oil as a fantastic emollient and can also be used as a wetting agent.

**CUPUACU SEED BUTTER - *Theobroma grandiflorum***

Plant that grows in northern Brazil and is rich in oleic, stearic, palmitic, linoleic and arachidic acid being an humectant, emollient, anti-inflammatory and natural protective. The property of this butter helps skin elasticity and improves the water absorption.

Cupuacu Butter is a good stabilizer in creams and lotions, and improves the spreadability. It is very efficient in preparations that take care of hair and skin: For dry and cracked skin, aging skin, eczema, psoriasis, dermatitis and dry hair.

MURUMURU SEED BUTTER - *Astrocaryum murumuru*

The Murumuru originates from the Amazon region. The tree grows wild in the forests of Pará, in damp places, and are quite common on the island of Marajo. It is found along rivers and in swamps, dense forest formations and semi-open. The "seringueiros" (mans that collect the fruits) use his seeds to make rings and buttons, other than eat the palm core. The Murumuru Butter is rich in oleic acid (C18: 1) promoting nutrition, hydration and softness to the skin and hair.

**TUCUMA BUTTER - *Astrocaryum aculeatum***

The Tucumã is a palm that comes to measuring up to 20 m. originally from Brazil, but specifically in the Amazon rainforest, Tucumã butter is extracted from both pulp and almond of the fruit of *Astrocaryum tucumã*.

Tucumã butter is an excellent emollient which has a high power of spreadability and provides silky soft skin. It is rich in omega 3, 6 and 9, behaving as an excellent moisturizer and a high fatty content because it contains lauric, myristic and oleic acids. Application in products for skin hydration, body lotions and hair products for damaged hair.

UCUUBA - *Virola surinamensis*

melting point (53 °C), animal fat substitute, has 70% of trimeristina contains 74% myristic fatty acid. Ucuuba seeds are rich in fat (60 - 70%) with 70% trimeristin, a myristic acid triglyceride, which is an essential aromatic oil that is of great importance for the cosmetic, pharmaceutical and food industries.



ESSENTIAL OILS



BREU BRANCO RESIN (WHITE BREU) - *Protium heptaphyllum*

The resin consists of a large number of monoterpenes, such as α -pyrene (10.5%), limonene (16.9%), α -phellandrene (16.7%) and terpinolene (28.5%). Due to its aromatic property, the resin is widely used in perfumes and toiletries as well as in soap manufacturing. The limonene, present in the resin of breu-branco, is a common component in fragrances and essences.

ATTENTION: This is not Breu Branco essential oil, a blend or an extract. It is the pure resin of the tree, solid.

JABUTICABA'S HYDROLATE - *Myrciaria cauliflora*

Jabuticaba - *Myrciaria cauliflora* Hydrolate is an essential oil from the leaves of the jabuticabeira, through the process of steam distillation. The chemical constituents identified in the oil belong to 6 biosynthetic classes: monoterpenes, monoterpene hydrocarbons, oxygenated monoterpenes, sesquiterpenes, sesquiterpene hydrocarbons and oxygenated sesquiterpenes.



ROSEMARY PEPPER OIL / ALECRIM PIMENTA - *Lippia sidoides*

The Rosemary Pepper is a Thymol producing wild plant, growing in the vegetation of Caatinga in Brazil Northeastern, but nowadays it is cultivated in medicinal gardens, to produce natural essential with incredible and excellent antimicrobial action against several kind of bacteria and fungi.

An application example is about a very efficient combat against *Streptococcus mutans*, causative of dental caries, and *Corynebacterium xerosis*, causative of smelly armpits. Its oil can be used mainly in pharmaceutical, cosmetic industries.

EXTRACTS



JOAZEIRO BARK - *Zizyphus joazeiro*

The *Zizyphus* bark extract has detergent and anti-septic action. Normally it is used to hair care products to combat dandruff, seborrhea, in preparations for oral hygiene in skin products and mucosal disorders. It can be added to creams, creamy and hydroalcoholic lotions, shampoos, gels, soaps, facial masks, cleansing lotions and other cosmetics products. This product is indicated for cosmetic use only.

MULATEIRO BARK - *Calycophyllum spruceanum*

It's extracts contains a high amount of tannin chemicals which give it an astringent effect. Contain a high content of phenols and organic acids which have demonstrated antibacterial, antifungal and insecticidal activity. Presents strong antioxidant activity, which may explain its traditional use to stop the aging process of the skin.

Application: For fungal infections of the skin (athlete's foot, nail fungus, etc.); for skin parasites; for *Candida* and yeast infections; as a skin aid for wrinkles, scars, freckles, and age spots; for diabetes



URUCUM OILY EXTRACT - ANNATO - *Bixa orellana*

The urucum oily extract works such as skin protector, against ultra violet radiation from solar light, help on the skin cicatrization process, also antioxidant effect supporting the skin's free radical elimination

The high level of the unsaturated fat acid promotes the complete and fast skin absorption.

JAMBU OIL - *Spilanthes oleracea*

The jambu has antioxidant, anti-inflammatory and diuretic properties. It's main components are spilanthol, a fatty acid amide (N-isobutylamides), sigmasteryl-3-O-b-D-glucopyranoside and a number of triterpenes. The active ingredient spilanthol is proposed to be responsible for most its biological activities. Spilanthol has strong pungent taste; it may produce local astringency and anaesthetic effects. Its economic potential includes its use in pharmaceuticals, as a nutritional supplement and beauty care cosmetics.

Application: For fungal infections of the skin (athlete's foot, nail fungus, etc.); for skin parasites; for *Candida* and yeast infections; as a skin aid for wrinkles, scars, freckles, and age spots; for diabetes



SCRUB

PASSIFLORA EXFOLIANT:

Exfoliant produced with passiflora seeds powder to be applied in cream cleanser

GREEN COFFEE FIBER EXFOLIANT:

Exfoliant produced with green coffee fiber powder to be applied in cream cleanser

BABASSU BARK POWDER EXFOLIANT

Exfoliant produced with babassu bark powder to be applied in cream cleanser

FUNCTIONAL COMPOUNDS:

GREEN COFFEE CLOR:


Produced with green coffee fiber, with concentration around 15% of clorogenic acid.


Application: Can be encapsulated for oral ingestion, or add in creams for body surfaces use to promote antioxidant benefit.

ULTRA COFFEE:

Produced with green coffee oil, through nanotechnology, with benefit to delivery caffeine into the cells. Application: Anti cellulite creams

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