

TECHNICAL DATA

JARXOTIC AN20

JARXOTIC™ AN20 - ANDIROBA OIL
(CARAPA GUAIANENSIS SEED OIL)

CAS# 352458-32-3



SPECIFICATIONS	LIMITS
Appearance	Viscous liquid; waxy gel below 7°C
Color	Light yellow to light brown
Odor	Characteristic
Saponification value (mg KOH/g)	150 – 210
Acid value (mg KOH/g)	5.0 Max.
Peroxide value (meq/kg)	5.0 Max.
Iodine value (g I ₂ /100 g)	40 – 100

STORAGE: Keep in cool (below 25°C) storage in unopened containers away from light and moisture. Avoid prolonged exposure to air.

DESCRIPTION

Andiroba is a tall rainforest tree that grows up to 40 m high. In the same family as mahogany, it can be found growing wild throughout the Amazon rainforest, usually on rich soils, in swamps, and throughout the Amazon Basin. The andiroba tree produces a brown, woody, four-cornered nut, 3-4 inches across, that resembles a chestnut. The nut contains several oil-rich kernels or seeds, which are pale yellow in color. The seeds are collected from rivers or the forest floor, where they float after being shed by trees. They are then boiled in a large pot of water and squeezed to extract the oil. **Andiroba oil** is a sustainable rainforest product that has a long history of use in South America as well as commercial value. The indigenous people in the Amazon have used andiroba in many ways for centuries, including mummification and removing ticks from scalps. They apply it externally to wounds and bruises, use it as a massage oil and natural insect repellent, and employ it topically for many skin diseases and conditions, including psoriasis. The oil is commercially manufactured into anti-inflammatory, antibacterial, anti-arthritic, and insect-repellent soaps as well as turned into candles that are sold as natural insect repellents. **Andiroba oil** can be applied topically several times daily to rashes, muscle/joint aches and injuries, wounds, insect bites, boils, and ulcers. It can be used by itself or combined with other oils as a healing and anti-inflammatory massage oil as well as placed in the ears for ear infections.

Andiroba oil is a rich source of essential fatty acids including oleic, palmitic, stearic, and linoleic acids. Other materials found in andiroba include andirobin, arachidic acid, acetoxy-gedunins, epoxyazadiradiones, deacetoxygedunins, hydroxygedunins, gedunins, hexadecenoic acid, linolenic acid, oleic acid, and palmitoleic acids.

APPLICATIONS

Jarxotic AN20 can be used in a multitude of product applications for both the skin and hair, including creams, lotions, soaps, shampoos, bath & massage oils, conditioning and hair masks, and sun care products. It is also recommended for products where insect repellency or anti-inflammatory activity is desired. The recommended starting level for this product is 3%.



Effective: February 1, 2009

Jarxotic AN20 TDS 20090201

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