



Citrus Bisabolol

Product:	Natural Alpha Bisabolol	Colour:	Limpid liquid lightly yellow
CAS Number:	23089-26-1	Odour:	Woody, floral and slightly sweet
Code:	PA 3001	Solubility:	Water insoluble
INCI Name (CTFA):	<i>Bisabolol</i>		

Citrus Bisabolol (100% (-)- α -bisabolol) produced by Citróleo is a **natural and organic** product obtained from the fractional distillation of the essential oil of a native Brazilian tree called Candia (Eremanthus erythropappus).

The candia tree is considered a precursor in the invasion of fields, which contributes to the restoration of degraded areas and in places of difficult implantation of agricultural crops. Very important for the income generation of families of small producers.

Even in low fertility soils, it offers a very rich oil in (-) Alpha bisabolol, isomer responsible for the effectiveness of anti-irritant and anti-inflammatory action, used by the cosmetics industries with compatibility with any skin type, especially the most sensitive.

Citróleo employs sustainable **management techniques of Candia**, evaluating its environmental, social and economic aspects, respecting the pertinent legislation and not compacting with practices of illegal extraction of wood and other forestry activities that hurt the concepts of ethics or natural resources.

Purity 85% - 95% - 97% - 99%

Citrus Bisabolol, on the market for more than 40 years without related harmful effects, can be supplied in four grades of purity, ranging from 85%, highly competitive and of excellent quality, to the highest purity level, above 99%. It is a product **free of any synthetic contaminant** or non-genetically modified origin, produced to the highest quality standards.

The natural essential oil extracted from Candia is rich in (-)- α -bisabolol, the only biologically active isomer. Citrus Bisabolol has its action potential guaranteed by the presence of this isomer in **100% of its content** while the synthetic version of the product contains only 50% (racemic mixture (\pm) α -bisabolol).

Properties

Citrus Bisabolol has proven been an effective anti-irritant, being able to prevent irritation caused by other ingredients present in the formulation. Due to its anti-inflammatory, antimicrobial, antibacterial properties, among others, Citrus Bisabolol is widely used by the cosmetic and pharmaceutical industries in a range of formulations for hair, face and body.

Not only the active Citrus Bisabolol is effective, but also the other substances in the composition of the oil, showing the benefit of the use of natural products, in relation to the synergy between its components.

Indications

Range of concentrations: 0.07 to 1%.

With anti-inflammatory, anti-irritating and healing properties, bactericidal and soothing, Citrue Bisabolol natural and organic can be used in a **variety of cosmetic and pharmaceutical applications**, including:

- Sensitive and dry skin;
- Lipsticks and oral hygiene (toothpaste, mouthwash);
- Sunscreen and after-sun products;
- After shave products;
- Oils and children's products;
- Anti-acne products;
- Make-up products and deodorants;
- Hand care creams and hair conditioners.

Differential

The natural (-)- α -bisabolol produced by Citroleo is **farnesol free** (an allergenic compound with potential to be harmful to sensitive skin). This ensures that the active is not harmful for children or adults, and can be used in all types of products for sensitive skin, including babies. There is a long human experience and wide scientific literature supporting the **safe use of the natural (-)- α -bisabolol** while the synthetic version, which is a racemic mixture and contains the (+)-bisabolol, up to now, an understudied agent.

The Citrue Bisabolol has its **production completely clean, transparent**, besides it is **completely traceable**, in all stages and methodologies used, from the planting of seedlings of Candeia to the sale of the final active. Producers committed to the entire productive value chain of obtaining natural products, like Citroleo, represent a **new look of innovation and socio-environmental responsibility**.

Benefits

- 100% Natural (source of candeia tree);
- Organic (Ecofriendly);
- Fully sustainable chain
- Social and environmental commitment;
 - Generate income for rural producers
 - It helps to recover degraded areas
- Does not have seasonality
- Biologically active isomer in 100% of composition.
- Anti-irritant, Anti-inflammatory; Bactericidal, healing and non-allergenic;
- Farnesol free;
- Long time on the market without reporting side effects

Sustainability

Citróleo is a pioneer in the manufacture of the natural (-)- α -bisabolol from Candeia tree. Concerned with the regular, secure and reliability supply, Citróleo invested in a research in partnership with the Federal University of Lavras (UFLA), where modern techniques were adapted and suitable for the sustainable management of this species.

In addition to ensuring the life of Candeia and other species present in the forests managed by Citróleo, thanks to this research, today Candeia has a specific legislation and has never figured in the list of products threatened with extinction.



Thanks to this initiative, Candeia never appeared on the list of endangered species.



Certifications

With **total production control**, from seedlings cultivation to manufacturing of Citrue Bisabolol, Citroleo guarantees the quality and traceability of the final product by means of the ISO 9001.

Besides that, the whole supply chain of the Citrue Bisabolol Organic is certified by IBD Certifications, according to NOP/USDA, BR Organic Brazilian law 10.831 (SISORG) accredited by IFOAM (International Marketing), and rule CE 834/2007 (European market), ensuring the organic certification and traceability of organic production.

Citróleo also counts with FSC® Certification from the Rainforest Alliance for sustainable stewardship plan of Candeia tree. The seal FSC acknowledges the responsible production of forest products, allowing the consumers and companies to make conscious decisions of purchase, benefiting human resources and the environment as well as adding value to its businesses. This certification of forest management obtained by Citróleo demonstrates its performance in a responsible way for the **conservation of natural resources**, providing decent and fair conditions for workers and promoting good relations with the community close to their area.

Seals Citróleo

