



atina
NATURAL ASSETS

+55 11 3063 0282 | atina@atina.com.br | www.atina.com.br



BISABOLOL

EREMANTHUS ERYTHROPAPPUS Candeia is a tree native to the Atlantic Rainforest in Minas Gerais and Bahia states, at the southeast region of Brazil. Dense Candeia groves result from the natural regeneration in Serra da Mantiqueira and Espinhaço, a region with a highly modified habitat, opened to agriculture and mining centuries ago.

The Natural Bisabolol is derived from the essential oil of the Candeia tree through an environmentally-friendly process of steam distillation and vacuum fractioning. It has very high purity, of at least 95% of the active isomer of Alpha-Bisabolol. Although some manufacturers claim synthetic Bisabolol is “nature-identical”, it is in fact quite different to the true natural product. Obtained from Farnesol by reaction with Perchloric Acid, Sulfonic Acid and Ketone, the synthetic similar is a racemic mixture of two isomers of Alpha-

Bisabolol, containing only 46% of the active levorotatory isomer.

The Candeia Bisabolol offered by Atina since 2005 is the only in the market that has been able to meet the stringent social and environmental certification standards set by the FSC®. Since 2009, 100% of Atina’s production of Candeia Bisabolol has also been certified as organic by Ecocert, which means that Atina is fully compliant with NOP/USDA standards.

Atina’s Bisabolol is the ideal choice for companies seeking the proven greater effectiveness of Natural Bisabolol, supported by guarantees of sustainable sourcing of this natural active ingredient. Uniquely, Atina’s sustained management of Candeia and true commitment to Brazil’s biodiversity, allow our clients to reinforce their own sustainability credentials by actively contributing to valorize and preserve the Atlantic Rainforest.



APPLICATION

Natural Alpha-Bisabolol is suitable for all types of cosmetic formulations due to its stability and compatibility with the skin. Its calming effect makes it especially suitable for sensitive skin. It is non-toxic and non-irritating to the skin or the eyes. We recommend its use in:

- Baby care products
- Products for acne
- Anti-aging products
- Aftershave products
- Deodorants and antiperspirants
- Sun protection and post Sun products
- Makeup products for sensitive skin
- Treatment of damaged nails

INNOVATION

Atina now offers the encapsulated Candeia Bisabolol, which has increased water dispersion, and maintain the active isolated and protected from the formulation medium interactions, until the release controlled by specific triggers as skin enzymes, pH, temperature or friction. The micro lipid capsules provide prolonged release of the Bisabolol, which increase its efficiency and enable faster treatment outcome.

SOLUBILITY

Natural Alpha-Bisabolol is soluble in low alcohols (ethanol, isopropanol), fatty alcohols, esters of Glycerin and paraffin. It is insoluble in water and Glycerin. Aqueous solutions can be easily prepared with solubilizers. Natural Alpha-Bisabolol is very stable in cosmetic formulations between pH 3 - 11.

APPEARANCE

- Transparent oily liquid
- Sweet woody scent
- Colorless to clear yellow



HEALTH AND BEAUTY Candeia Bisabolol is suitable for a wide range of cosmetic skin formulations, due to its anti-irritant and soothing effects, associated with bactericidal and antimycotic benefits. Due to its stability in a wide pH range, its effectiveness and its appeal as a natural product, Candeia-based Bisabolol is one of the most desired natural assets for sensitive skin formulations. This active ingredient is widely used in aftershave creams, moisturizing after-sun lotions, products for babies, anti-acne and anti-aging creams. Thanks to its high skin permeation vector, it can be used as carrier for other remedies to the deeper layers of the dermis. As a highly-effective equalizer of skin tone, Bisabolol works by itself or in synergy with other ingredients.