

alpha-Bisabolol organic (A)

Description

Alpha-Bisabolol organic (A) is a clear oily fluid, that contains at least 95 % of (-)-alpha-Bisabolol, a monocyclic unsaturated sesquiterpene alcohol. (-)-alpha-Bisabolol is known to be one of the active ingredients of *Matricaria chamomilla*, which is widely used for its anti-irritant and spasmolytic efficacy. In the past (-)-alpha-Bisabolol was extracted from the flowers of chamomile, which contain in average 30 % of the active ingredient. Our alpha-Bisabolol organic (A) is produced from the wood of a South American tree, called Candeia tree (*Eremanthus erythropappus* / Synonym: *Vanillosmopsis erythropappa*). The variety rich in bisabolol grows in Brazilian Atlantic woods at a height of 800 m or above. The small tree has a thick but soft bark that protects it from natural fire. Our manufacturer is certified partner for sustainable alpha-Bisabolol and is one of the leading producers in the world. In some European countries we are supplying their product on an exclusive base. Our manufacturer's main focus is to sustain the existing natural resources and to invest in Candeia plantations. Their aim is to guarantee an ecologically compatible availability of this valuable material, also for the future. The wood of the tree is milled to produce Candeia oil, which is physically processed to yield only (-)-alpha-Bisabolol, which is the isomer giving the efficacy!

In contrary synthetic bisabolol, contains a racemic mixture from (-)-alpha-Bisabolol and (+)-alpha-Bisabolol with a lower total assay of 85 %. The efficacy of natural bisabolol is therefore 2 times higher than the one of synthetically derived one. This was also shown in different efficacy studies. A further advantage of alpha-Bisabolol natural (C) is the zero content of Farnesol. The anti-irritant efficacy makes it especially applicable for sensitive skin.

Efficacy

- reduces irritations
- acts anti-microbial
- acts bacteriostatic
- supports wound healing
- acts as a deodorant
- acts as a perfume fixative

Appearance

colorless to clear yellow, limpid, oily liquid

INCI

Bisabolol

Registration

CAS-No.....23089-26-1
EC-No.....245-423-3
Japan CLS Ingredient No.....505139



Nature needs no cosmetics,
but cosmetics need nature

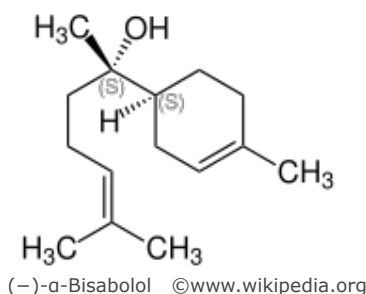
alpha-Bisabolol organic (A)

Preservatives / Stabilizers

none

Characteristics

optical rotation.....-58° to -55°
density.....0.927 - 0.935 g/ml
refraction index.....1.493 - 1.497
purity.....>= 95.0 %



molecular formula.....C₁₅H₂₆O
molecular weight.....222.37 g/mol⁻¹
synonym:
(2S)-6-methyl-2-[(1S)-4-methylcyclohex-3-en-1-yl]hept-5-en-2-ol, levomenol (INN)

Application

daily cosmetic products
creams and lotions
face masks
gels and ampoules
body care
after sun care
after shave
baby care
wet wipes
deodorants
oral care
hair care

Application concentration

skin care formulations.....0.1 - 0.5 %
deodorant.....0.5 %

Incorporation

Alpha-Bisabolol organic (A) is soluble in lower alcohols (ethanol, isopropanol), in fatty alcohols, glycerin esters and paraffin. It is insoluble in water and glycerine. Aqueous solutions can easily be prepared with solubilizers.
Alpha-Bisabolol organic (A) is very stable in cosmetic formulations from pH 3 - 11.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Alpha-Bisabolol organic (A) should be stored in sealed containers at a dry and light protected place at 10 - 25°C.

In closed original containers the shelf life is 36 months.