

Organic certified bergamot essential oil

Description

The product is obtained from the peel of 100% fresh organic bergamot.

The raw material is clean, organic, freshly harvested, ripe, whole, from the variety.

The essential oil does not contain added thickeners, sugars, salt, colours, flavours, preservatives or other additives of any kind. The product is free of foreign material.

The product has a typical flavour of bergamot peel and is free from off-flavours.

Botanical species

Citrus Bergamia Risso e Poit

Certification, origin, allergens

The product is certified by AIAB, NOP and Bio Suisse on demand

The product is GMO free

100% Italian product

No known allergens

Physico-chemical information

Hydrocarbons:

Limonene alpha, pinene Beta and gamma, terpinene, camphene, sabinene, thujene, terpinolene, bisabolene, caryophyllene, bergamottene;

Alcohols:

Linalcol alpha, terpineol, terpinen-4-ol, nerol, geraniol, Dihydrocumyl alcohol;

Aldehydes/Ketones:

Neral, geranial;

Esters:

Linalyl acetate, geranyl acetate, neryl acetate;

Other constituents:

Bergaptene, Bergamottin, citrioptene, 7-methoxy-5geranoxycoumarin;

Specific gravity at 15°/15°C:

0,8800 - 0,8880;

Optical rotation at 20°C:

+8° - to +30°;

Refractive index at 20°C:

1,4660 - 1,4680;

Optical rotation of the first (10%) fraction

aldehyde content, calculated as % ester content

calculated as linalyl acetate%:

30 - 40;

Acid number:

Up to 2;

Evaporation residue % :

4,5 - 6,5;

Boiling point:

180°C;

Steam pressure (mm Hg) at 20°C:

near to 2;

Steam density (compared to air=1) (MSDS):

0,012;

Solubility in water:

None

Volatile by volume %:

38;

Evaporation rate (MSDS):

1;

Solubility in alcohol 90°:

to 0,5 vol;

Surface tension:

28,6;

Viscosity (cp):

1,96 - 2,086;

Flash point (°C method pensky-Martens):

58°;

Regulation

Harmonized number:

3301.11;

CnE, N:

137;

ECoin/CAS, N:

8007-75-8;

Rifm, N:

1031;

Fema, N:

2153 (gras);

FDA, N:

182,20 (GRAS natural flavour extractive)

Packing and logistics

Class 3, packing group 3, UN no: 1993. Can be packed in 180, 100, 50, 20, 10 kg drum.

SOME DETAILS MAY CHANGE WITHOUT ADVISE

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