



De Hekserij

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Sporstraat 57
8271 RG IJsselmuiden
The Netherlands

20124 - Essential oil Bergamot FCR

1Doc: All available data that is not in the SDS and that is not batch specific.
Version 1 of 2025-03-13

Identity

Product	: Essential oil Bergamot FCR (Etherische olie Bergamot FCR)
Code	: 10124
INCI name	: CITRUS AURANTIUM BERGAMIA PEEL OIL
EC nr	: 289-612-9
CAS nr EU	: 89957-91-5
CAS nr TSCA	: 8007-75-8
FEMA nr	: 2153

Customs information

HS code	: 3301 1920
Country of origin	: Italy

Identity check

Appearance at RT	: Clear liquid, some turbidity or deposit is possible
Colour	: Colourless - light green
Odour	: Citrus, fresh, floral
Refractive index (20°C)	: 1,465 to 1,470
Specific gravity (20°C)	: 0,860 to 0,868

Additives

Antioxidants	: Tocopherol alpha 0,1%
Chelators	: None
Solvents	: None

Production / origin

Cold pressing of the zest of *Citrus bergamia* Risso, followed by fractional distillation.

Composition

Limonene	: 30-45 %
Linalyl acetate	: 20-36 %
Terpinene gamma	: 5-10 %
Linalool	: 3-10 %
Pinene beta	: 4,5-9,5 %
Geranial	: <= 0,5 %

Physiochemical specification

Vapour pressure	: 123 Pa
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Melting point : < -30 °C
Boiling point : 70 °C (Decomposes)

Use and storage

Essential oil Bergamot is an essential oil intended as part of a fragrance composition. It is suitable in fragrance compositions for cosmetics, cleaning products and other fragranced products.

We do not sell products for use in oral care products, food, feed, tobacco, e-smoking or pharmaceuticals.

Keep dark and dry in a closed container. Hazardous (REACH/CLP), SDS available on request.

Allergens, EU Cosmetics Regulation

This product contains the following fragrance allergens as specified in the EU Cosmetics Regulation:

ACETYLCEDRENE	: 0 %
ALPHA-ISOMETHYL IONONE	: 0 %
AMYL CINNAMAL	: 0 %
AMYL SALICYLATE	: 0 %
AMYL CINNAMYL ALCOHOL	: 0 %
ANISE ALCOHOL	: 0 %
BENZALDEHYDE	: 0 %
BENZYL ALCOHOL	: 0 %
BENZYL BENZOATE	: 0 %
BENZYL CINNAMATE	: 0 %
BENZYL SALICYLATE	: 0 %
BETA-CARYOPHYLLENE	: 0,550 %
BUTYLPHENYL METHYLPROPIONAL	: 0 %
CAMPHOR	: 0 %
CANANGA ODORATA FLOWER EXTRACTS	: 0 %
CARVONE	: 0 %
CEDRUS ATLANTICA BARK/LEAF/WOOD EXTRACTS	: 0 %
CINNAMAL	: 0 %
CINNAMOMUM CASSIA LEAF OIL	: 0 %
CINNAMOMUM ZEYLANICUM BARK OIL	: 0 %
CINNAMYL ALCOHOL	: 0 %
CITRAL	: 0,800 %
CITRONELLOL	: 0,100 %
CITRUS AURANTIUM AMARA FLOWER/PEEL OIL	: 0 %
CITRUS AURANTIUM DULCIS PEEL OIL	: 0 %
CITRUS BERGAMIA PEEL OIL	: 0 %
CITRUS LIMON PEEL OIL	: 0 %
CITRUS SINENSIS PEEL OIL	: 0 %
COUMARIN	: 0 %
CYMBOPOGON CITRATUS LEAF OIL	: 0 %
CYMBOPOGON SCHOENANTUS OIL	: 0 %
DIMETHYL PHENYL ACETATE	: 0 %
EUCALYPTUS SP. LEAF OIL	: 0 %
EUGENIA CARYOPHYLLUS FLOWER/LEAF OIL	: 0 %
EUGENOL	: 0 %
EUGENYL ACETATE	: 0 %
EVERNIA FURFURACEA EXTRACT	: 0 %
EVERNIA PRUNASTRI EXTRACT	: 0 %
FARNESOL	: 0 %
GERANIAL	: 0,500 %
GERANIOL	: 0,100 %

GERANYL ACETATE	: 0,880 %
HEXADECANOLACTONE	: 0 %
HEXAMETHYLINDANOPYRAN	: 0 %
HEXYL CINNAMAL	: 0 %
HYDROXYCITRONELLAL	: 0 %
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	: 0 %
ISOEUGENOL	: 0 %
ISOEUGENYL ACETATE	: 0 %
JASMINUM GRANDIFLORUM FLOWER EXTRACT	: 0 %
JASMINUM OFFICINALE OILS	: 0 %
JUNIPERUS VIRGINIANA OILS	: 0 %
LAURUS NOBILIS OILS	: 0 %
LAVANDULA ANGUSTIFOLIA OIL	: 0 %
LAVANDULA HYBRIDA HERB OIL	: 0 %
LAVANDULA OFFICINALIS FLOWER OIL	: 0 %
LIMONENE	: 44,000 %
LINALOOL	: 16,000 %
LINALYL ACETATE	: 36,000 %
LIPPIA CITRIODORA LEAF EXTRACT	: 0 %
MENTHA PIPERITA OIL	: 0 %
MENTHA SPICATA HERB OIL	: 0 %
MENTHA VIRIDIS EXTRACT	: 0 %
MENTHOL	: 0 %
6-METHYLCOUMARIN	: 0 %
METHYL 2-OCTYNOATE	: 0 %
METHYL SALICYLATE	: 0 %
MYROXYLON BALSAMUM PEREIRAE BALSAM EXTRACTS	: 0 %
NARCISSUS POETICUS EXTRACTS	: 0 %
NERAL	: 0,300 %
PELARGONIUM GRAVEOLENS FLOWER OIL	: 0 %
PINENES	: 12,000 %
PINUS MUGO EXTRACTS	: 0 %
PINUS PUMILA TWIG / LEAF EXTRACTS	: 0 %
POGOSTEMON CABLIN OIL	: 0 %
PROPYLIDENE PHTHALIDE	: 0 %
ROSE FLOWER OIL	: 0 %
ROSE KETONES	: 0 %
SALICYLALDEHYDE	: 0 %
SANTALOLS	: 0 %
SANTALUM ALBUM OILS	: 0 %
SCLAREOL	: 0 %
TERPINENE ALPHA	: 0,280 %
TERPINEOLS	: 0,100 %
TERPINOLENE	: 0,400 %
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	: 0 %
TRANS-ANETHOLE	: 0 %
TRIMETHYLBENZENEPROPANOL	: 0 %
TRIMETHYLCYCLOPENTENE METHYL PENTENOL	: 0 %
TURPENTINE	: 0 %
VANILLIN	: 0 %

These values are the typical maximum values, in rare cases these values can be higher.

Besides the obligation to list the allergens on the label in case these exceed a certain level there are no restrictions of use.

IFRA QRE

According to the IFRA standard (51th Amendment) this product is restricted in use. The following limits apply (calculated for the finished product):

IFRA Class	Maximum use level
1 Products applied to the lips.	: 0,0 %
2 Products applied to the axillae.	: 4,000 %
3 Products applied to the face/body using fingertips.	: 12,500 %
4 Products related to fine fragrances.	: 75,000 %
5A Products applied to the body using the hands (palms), primarily leave-on (Body lotion).	: 18,750 %
5B Products applied to the face using the hands (palms), primarily leave-on (Face moisturizer).	: 18,750 %
5C Products applied to the hands using the hands (palms), primarily leave-on (Hand cream).	: 18,750 %
5D Products applied to babies using the hands (palms), primarily leave-on (Baby cream, oil, talc).	: 6,380 %
6 Products with oral and lip exposure.	: 0,0 %
7A Rinse-off products applied to the hair with some hand contact.	: 25,000 %
7B Leave-on products applied to the hair with some hand contact.	: 25,000 %
8 Products with significant anogenital exposure (tampon).	: 6,380 %
9 Products with body and hand exposure, primarily rinse off.	: 100 %
10A Household products.	: 100 %
10B Household care products with mostly hand contact (household aerosol/spray products).	: 100 %
11A Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure.	: 6,380 %
11B Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure.	: 6,380 %
12 Other air care products not intended for direct skin contact, minimal or insignificant transfer to skin.	: 100 %

IFRA - Limitations

This product contains the following substances that are listed in the IFRA standards (51th Amendment):

LIMONENE	: 45,0000 %
LINALOOL	: 16,0000 %
CITRAL	: 0,8000 %
GERANIAL	: 0,5000 %
GERANIOL	: 0,1000 %
CITRONELLOL	: 0,1000 %

Natural

This product is for 99,9% a natural aromatic raw material according to ISO 9235. The remaining 0,1% is the added antioxidant. It is nor does contain animal derived products, and can therefore be considered vegan.

Natural Index (acc. to ISO 16128)NI=0.999

Natural Origin Index (acc. to ISO 16128) NOI=0.999

Organic Index (acc. to ISO 16128)OI=0

Organic

Our supplier is certified for production or trade in organic products. We purchased it from them as a certified organic product. De Hekserij is not certified for production or trade in organic products, which makes this product legally not organic.

Animal testing

This raw material has not been tested on animals for cosmetic purposes after the date 30/03/2009.
This raw material is in compliance with article 18 of the Cosmetics regulation (EC) No 1223/2009.

Disclaimer

All information in this document is to our best knowledge at the time of preparation, provided in good faith and believed to be accurate. It still may contain errors and may be incomplete.