

TECHNICAL DATA SHEET



RASPBERRY SEED CHILI VEGETABLE OIL

Rubus idaeus

PRESENTATION :

The raspberry tree is a cultivated shrub producing raspberry. It is present in wild state also in mountains with a temperate climate. This plant is very hardy, grows alone. Nowadays, the raspberry tree is cultivated in several countries as Scotland, France, East of Europe, Chile. The harvest is in August September in North of Hemisphere and in December –January in south of Hemisphere.

The seeds contain 16 to 18 % of fatty raw, giving a fluid oil called Raspberry seed. The oil contain vitamin E also carotene.

COSMETIC PROPERTIES :

✕ The absorption of UV B (290-320 nm) and C (100-290 nm) of Raspberry seed permits to be incorporated in solar product as complement of anti –UV protection.

✕ The anti-oxidant effect and its anti-ageing properties on skins. This oil has a tocopherol value (Vitamin E) the more highest than the other oils (5600 mg par kg).

✕ The anti-inflammatory effect permit to have a prevent against disease as eczema, blotch or all other disease of skin. This effect is appreciable because it is more higher in the raspberry seed oil than the other oils like virgin avocado, grape seed oil, hazelnut and wheat germ oil.

✕ Thanks to the presence of γ -tocopherol, Raspberry seed will also have property against mainly degenerative diseases.

In concrete term, the Raspberry seed oil can be incorporated in products solar creams, toothpastes creams against irritation of skin, bath oily, after shave creams, deodorants and other anti-perspiring, shampoos and lipsticks.

REGULATION :

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|-----------------|-----------------------------------|
| INCI : | Rubus idaeus |
| European INCI : | Rubus Idaeus (Raspberry) seed oil |
| Custom Tariff : | 15-17-90-99 |
| CAS : | 84959-76-0 |
| EINECS : | 284-554-0 |

CARACTERES ORGANOLEPTIQUES :

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|--------------|--|
| APPEARANCE : | Yellow to slightly green liquid |
| ODOUR : | Delicate odour |
| OBTENTION : | Oil obtained by pression after filtered but non refined. |
| ORIGIN : | Chile |

PHYSICAL-CHEMICAL CHARACTERISTICS :

| | | |
|----------------------------|--|--------------------|
| Specific gravity 20°C : | 0.912 – 0.928 g/cm ³ | |
| Refractive index 20°C : | 1.4695 – 1.481 | |
| Free fatty acid % : | Max 5 | |
| Peroxyde index : | Max. 10 meq O ₂ /kg | |
| Soaps : | 0 ppm | |
| Saponification index : | 184 – 191 | |
| Iodine index : | 155 – 170 | |
| Cold test 0°C : | > 5 hours | |
| Humidity and volatiles : | 0.01% max. | |
| Impurety insolubles : | 0% | |
| Pesticides residuals : | Without organophosphorated and organochlorated. | |
| Tocopherol value : | 1500 – 3000 ppm | |
| Fatty acid composition % : | Palmitic acid C16 :0 : | 2.0 – 3.0 |
| | Palmitoleic acid C16 :1 : | 0 – 0.10 |
| | Stearic acid C18 :0 : | 1.0 – 3.0 |
| | Oleic acid C18 :1 ω⁹ : | 13.0 – 14.5 |
| | Linoleic acid C18 :2 ω⁶ : | 50.0 – 60.0 |
| | Linolenic acid C18 :3 : | 0 – 0.10 |
| | Linolenic acid C18 :3 ω³ : | 20.0 – 28.0 |
| | Arachidic acid C20 :0 : | 0 – 0.80 |
| | Gadoleic acide C20 :1 : : | 0 – 0.30 |
| | Eicosaenoic acid C20 :2 : | 0 – 0.10 |
| | Behenic acid C22 :0 : | 0 – 0.30 |
| Storage : | Store this product protected from light in well ventilated area at stable and moderated temperature. | |

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