

TECHNICAL DATA SHEET

Effective date: 08.2022

Carotene CO2 Extract Organic

INFORMATION ON SUBSTANCE / MIXTURE

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|-----------------------|--|
| INCI | Simmondsia chinensis seed oil, Daucus carota root extract, Rosmarinus officinalis leaf extract |
| Botanical name | Daucus carota |
| Manufacturing process | By supercritical fluid extraction with natural carbon dioxide, the extract is standardized with jojoba oil (organic) and stabilized with natural rosemary antioxidant (organic) |
| Description | Contains all CO ₂ -soluble lipophilic components, the product is 100 % natural, stabilized with natural rosemary antioxidant (organic), it contains apart from the jojoba oil (organic) no carriers and no other technical adjuncts. |
| Part used | Roots, dried, from organic farming |
| Composition | 90-96% Jojoba oil organic / 4-6% Carrot CO ₂ total extract organic / <= 0.1% rosemary extract organic 0,15 -0,21 % total carotenes calculated as beta-carotene corresponding to 2500 - 3500 i.U. provitamin A, alpha, beta-, gamma-, delta-, epsilon-carotene in natural isomeric distribution, lycopine, traces of essential and fatty oil, lipophilic flavones |

TECHNICAL DATA

Physical parameters

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|--------------------------|---|
| Appearance | Liquid at room temperature, solidifies under cool storage |
| Color | Red orange |
| Odor | Characteristic, light sweet carrot |
| Relative density at 20°C | 0.867 |
| Refractive index at 20°C | NA |
| Optical rotation at 20°C | NA |
| Flash point | NA |
| Solubility | Soluble in oil, insoluble in water |

TRANSPORT, STORAGE and SHELF LIFE

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| Storage conditions | Ambient temperature, protected from light, moisture and oxygen |
| Shelf Life | 36 months under good storage conditions |
| Custom tariff | - |

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LEGISLATION

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|---------------|--|
| Certification | 100% of the total ingredients are from Organic Farming. Certified as 100% organic by Ecocert Greenlife according to COSMOS-standard. |
| Halal | Halal Certified by Certification Services (HCS) |
| Kosher | Certified by London Beth Din Kashrut Division (KLBD) |
| EINECS | - ; 284-545-1 ; 283-291-9 |
| CAS | 90045-98-0 ; 84929-61-3 ; 84604-14-8 |

DISCLAIMER

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