



Version No. 023.007\_07\_S, Date: 24.04.2020

## General Specification

### Carrot-Jojoba CO2-to extract (organic)

#### DE-ÖKO-013, Type No. 023.007



<b>Raw material:</b>	<i>Daucus carota</i> -Roots, dried, from organic farming
<b>Production:</b>	By supercritical fluid extraction with natural carbon dioxide, no solvent residues, no inorganic salts, no heavy metals, no reproducible microorganisms [1]. The extract is standardized with jojoba oil (organic) and stabilized with natural FLAVEX Rosemary Antioxidant (organic).
<b>D/E - ratio:</b>	4,0 - 6,0 kg carrots to 1 kg product.
<b>Organoleptic description:</b>	At room temperature red liquid oil with a light sweet carrot smell, solidifies under cool storage (jojoba oil).
<b>Composition:</b>	95 % Jojoba oil (organic) 5 % Carrot CO2-to extract (organic) antioxidant extracts of rosemary (organic)
<b>Ingredients:</b>	alpha, beta-, gamma-, delta-, epsilon-carotene in natural isomeric distribution and lipophilic flavones. Total carotenes calculated as beta-carotene: 0,15 -0,21 %.
<b>Declaration:</b>	In cosmetics: INCI-Name: Simmondsia Chinensis Seed Oil, CAS-No. 90045-98-0 and Daucus Carota Sativa Root Extract, CAS-No. 84929-61-3, EINECS-No. 284-545-1 and Rosmarinus Officinalis Leaf Extract, CAS-No. 84604-14-8, EINECS-No. 283-291-9 (INCI Key G: less than or equal to 0,1 %) In cosmetics:
<b>Application:</b>	The carrot extract and jojoba oil have a caring effect, especially on dry and scaly skin and are therefore well suited for use in skin care products. Due to the carotenoids contained in carrot extract, which have antioxidant properties, and the jojoba oil, which has a natural sun protection factor of 4, the product is also very suitable for use in sun creams and after-sun products [2,3].  The concentrated FLAVEX extracts are the basic ingredients for the product formulation. They are therefore not intended for direct consumption in food, nor for direct application to the skin in cosmetics, perfumery and aromatherapy. Keep away from children!
<b>Handling:</b>	
<b>Stability:</b>	Unopened containers at least 2 years under exclusion of light and following conditions: Store in a cool, dry place and exclusion of light! No dangerous good in the sense of the transport regulations.
<b>Transport:</b>	This product is currently not subject to registration.
<b>REACH - Status:</b>	- ORGANIC certified by QC&I (Quality, Certification and Inspection)
<b>Certification:</b>	- HALAL certified by HCS (Halal Certification Services)



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- KOSHER certified by KLBD (Beth Din Kashrut Division)
- COSMOS certified by IONC (International Organic and Natural Cosmetics Corporation),  
100 % certified ingredients (COSMOS-Standard)

**Conformity:** The product complies with the requirements of Regulation (EC) No.1223/2009 on cosmetic products in the currently valid version.

**Literature:**

[1] P. Manninen, E. Häivälä, S. Sarimo, H. Kallio, Distribution of microbes in supercritical CO2 extraction of sea buckthorn (Hippophae rhamnoides) oils, Zeitschrift für Lebensmitteluntersuchung und -Forschung / Springer-Verlag (1997) 204: 202-205

[2] Sabine Krist, Lexikon der pflanzlichen Fette und Öle, 2. Auflage, Springer-Verlag Wien 2013

[3] Sharma K.D., Karki S., Thakur N.S., Attri S., Chemical composition, functional properties and processing of carrot - a review, J Food Science Technology

**Disclaimer:**

This specification has been prepared to the best of our knowledge for customer information, but under exemption of liability, particularly regarding infringement of or prejudice to third party rights by the use of the product. Statements on application summarise literature evidence and have informative character. Statements have not been evaluated by competent authorities and do not refer to finished products. The marketer of a finished product containing a extract as an ingredient is responsible for ensuring that the product claims are lawful and that the applicable laws and regulations of the country in which the product is sold are complied with.