

# Rosemary Antioxidant extract 14

## Type No. 027.002



Raw material: *Rosmarinus officinalis* - Leaves, dried

Production: By supercritical fluid extraction with natural carbon dioxide and a small amount of ethanol as entrainer, no inorganic salts, no heavy metals, no reproducible microorganisms [1]. The CO<sub>2</sub>-extract is standardised with pure sunflower oil (organic).

Description: Contains mainly antioxidative components [2][3]. Dark brown and at room temperature viscous liquid product with weak flavour. The product can lose his ability to flow at cool storage or standing for a longer time at room temperature. However by warming up to 40° C it gets back his oily consistency.

D/E - ratio: 2,8 - 4,0 kg raw material yield 1 kg product.

Declaration: INCI-Name (CTFA): Helianthus Annuus (Sunflower) Seed Oil, CAS-No. 8001-21-6, EINECS-No. 232-273-9 and Rosmarinus Officinalis (Rosemary) Leaf Extract, CAS-No. 84604-14-8, EINECS-No. 283-291-9

Halal - Status: not certified

Kosher - Status: Certified by London Beth Din Kashrut Division (KLBD)  
The certification is marked with the Kosher logo on the product.

Transport: No dangerous good in the sense of the transport regulations.

Ingredients: 7 - 10 % Antioxidative reference compounds: phenolic diterpenes carnosic acid and carnosol calc. as carnosic acid with > 6 % of carnosic acid; steam volatile flavor compounds < 2 %, water < 1 %, ethanol < 0,5 %, sunflower oil (organic), cuticular waxes.

Application: The product has antioxidative, antimicrobial and antiinflammatory property; for retarding oxidation of fatty oils, carotenoids, essential oils; in the food industry (dressings, sausages, snacks,etc.); in food supplements and in cosmetics  
dosage 0,05 - 0,1 % in case of saturated fats, 0,2 - 0,4 % in case of polyunsaturated oils.  
EU declaration, if used in food and supplements: Natural Antioxidant Rosemary Extract or Natural Antioxidant E 392

Naturalness: The product is manufactured from the named raw material. It contains apart from the sunflower oil (organic) no additives and no other technical adjuncts. The product is 100 % natural and corresponds to the EC Flavouring Regulation No. 1334/2008 for flavouring preparations.



FLAVEX Naturextrakte GmbH Nordstraße 7 D-66780 Rehlingen  
Tel. +49 - (0) 68 35 - 91 95-0 Fax +49 - (0) 68 35 - 91 95-95  
Internet www.flavex.com E-Mail info@flavex.com



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Stability: Unopened container under cool and dry storage conditions and exclusion of light at least 5 years.

References: [1] Manninen P., Häivälä E., Sarimo S., Kallio H. : Z. Lebens Unters Forsch A (1997) 204: 202-205  
[2] Quirin K. W., Gerard D.: Cosm. Toil. Mauf. Worldw.: 1998, S. 31  
[3] Gerard D., Quirin K. W., and Schwarz E.: Food Marketing and Technology October 1995, S. 46-55

Disclaimer: These data are given for customer's information only to the best of our knowledge but under exemption of liability especially regarding infringement of or prejudice to third party rights through the use of this product. Users are responsible for ensuring the compliance with the applicable legislation.

The concentrated FLAVEX extracts are raw materials for product formulation. Hence they are not intended for direct consumption in food and for undiluted topical application in cosmetics, perfumery and aromatherapy. Keep away from children.



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Tel. +49 - (0) 68 35 - 91 95-0 Fax +49 - (0) 68 35 - 91 95-95  
Internet [www.flavex.com](http://www.flavex.com) E-Mail [info@flavex.com](mailto:info@flavex.com)



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