

Antimicrobial Blend

Type No. 238.001

- Production:** Produced by supercritical fluid extraction with natural carbon dioxide, for some extracts with addition of a small amount of ethanol as entrainer. Therefore no inorganic salts, no heavy metals, no reproducible microorganisms [1]. The product is mixed from the following FLAVEX extracts:
- 5 % Ajowain CO₂-se extract
 - 5 % Oregano CO₂-se extract
 - 10 % Clove Bud CO₂-se extract
 - 15 % Curcuma Xanthorrhiza CO₂-se extract
 - 15 % Licorice root CO₂-to extract, standardised with 50 % sunflower oil (organic)
 - 20 % Hop CO₂-to extract, aromareduziert, standardised with 35 % sunflower oil (organic)
 - 30 % Sage Antioxidant extract 35, standardised with 10 % sunflower oil (organic)
- Description:** Contains CO₂-soluble lipophilic components. Dark brown, liquid oil
- Declaration:** INCI Name (CTFA): Salvia Triloba (Sage) Leaf Extract, CAS-No. 85085-68-3, EINECS-No. 285-391-8 and Helianthus Annuus (Sunflower) Seed Oil, CAS-No. 8001-21-6 and Curcuma Xanthorrhiza Root Extract, CAS-No. 89998-05-0, EINECS-No. 289-742-6 and Humulus Lupulus (Hops) Cone Extract, CAS-No. 8060-28-4, EINECS-No. 232-504-3 and Eugenia Caryophyllus (Clove) Flower Extract, CAS.-No. 84961-50-2, EINECS-No. 284-638-7 and Glycyrrhiza Uralensis (Licorice) Root Extract, CAS-No. 94349-91-4, EINECS-No. 305-209-3 and Origanum Vulgare (Oregano) Leaf Extract, CAS-No. 84012-24-8, EINECS-No. 281-670-3 and Trachyspermum Ammi (Ajowain) Fruit Extract, CAS-No. 91745-13-0, EINECS-No. 294-681-3
- Food declaration: Herb and spice extract
- 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:** UN 1760 CORROSIVE LIQUID, N.O.S. (contains carvacrol); 8, III
- Ingredients:** The product contains essential oil with 32 - 38 % curcumenes, eugenol, thymol, carvacrol, thymoquinone, etc. Furthermore the extract contains 8 - 12 % humulones and lupulones (alpha and beta acids), 2,5 - 6,5 % phenolic diterpenes (carnosol and carnosic acid), isoflavans, < 2 % ethanol.



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



CO₂ EXTRACTION

Version 66.478.02, 15.01.2018

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- Application:** The extract has antioxidative and antimicrobial properties, it is effective as antimicrobial agent.
- Naturalness:** The product is manufactured from the named raw materials. 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 and can be declared a herb and spice extract.
- 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

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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