

## General Specification

### Camomile Flower CO<sub>2</sub>-to extract (organic)

#### DE-ÖKO-013, Type No. 019.002

**Raw material:**

*Chamomilla recutita* - Flowers,  
dried, from organic farming



683687-DE-8102

**Production:**

By supercritical fluid extraction with natural carbon dioxide, no inorganic salts, no solvent residues, no heavy metals, no reproducible microorganisms [1].

**D/E - ratio:**

20 - 33 kg Chamomile flowers to 1 kg product.

**Organoleptic description:**

Green-brown colour, liquid at 40°C, fine chamomile-like smell.

**Composition:**

100 % Chamomile Flower CO<sub>2</sub>-to extract (organic)

**Ingredients:**

The extract contains 7 - 17 % essential oil, mainly consisting of 20 - 45 % alpha-bisabolol, 5 - 20 % bisabolol oxides, farnesene, chamazulene, cis- and trans-en-yn-dicycloether and spathulenol. The content of matricine in the extract is 0.5 - 2.5 % (analysed via chamazulene). The extract also contains fat and waxes as well as small amounts of herniarine.

**Declaration:**

In food:  
flavouring preparation or chamomile flower extract

In food supplements:  
chamomile flower extract

In cosmetics:  
INCI-Name: Chamomilla Recutita Flower Extract, CAS-No. 84082-60-0, EINECS-No. 282-006-5

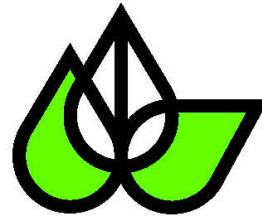
**Application:**

Traditional use:  
Camomile extract is used in herbal medicinal products for internal use in gastrointestinal diseases, external use in the treatment of inflammation of the skin and mucous membranes, inflammatory diseases of the respiratory system or diseases of the anal and genital area [2].

In food:  
For the flavouring of food, e.g. beverages, sweets.

In food supplements:  
Because of its digestible and beneficial properties, chamomile is also suitable for use in food supplements.

In cosmetics:  
Due to its anti-inflammatory and deodorizing properties, chamomile extract can be used as an



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additive in cleansing and care products such as skin creams, body lotions, soaps, deodorants and in oral care products. The extract is also suitable as a fragrance in perfumes or other cosmetic products [3].

- Handling:** 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!
- Stability:** Unopened containers at least 5 years under exclusion of light and following conditions: Store in a cool, dry place!
- Transport:** No dangerous good in the sense of the transport regulations.
- REACH - Status:** The substance is exempted from registration under annex V entry 9 of the reach regulation (EC) No 1907/2006.
- Certification:**
- ORGANIC certified by QC&I (Quality, Certification and Inspection)
  - HALAL certified by HCS (Halal Certification Services)
  - 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. 1334/2008 on flavourings and with the requirements of Regulation (EC) No.1223/2009 on cosmetic products in the currently valid version.