



General Specification

Camomile Flower CO2-to extract (integr)

Type No. 019.001

**Raw material:**

Chamomilla recutita - Flowers,
dried, from controlled integrated
cultivation

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 Camomile flowers to 1 kg product.

**Organoleptic
description:**

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

Composition:

100 % Camomile Flower CO2-to extract (integr)

Ingredients:

The extract contains 10 - 20 % 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 matricin 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 camomile flower extract

In food supplements:

camomile 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

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 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.

Certification: - HALAL certified by HCS (Halal Certification Services)
- KOSHER certified by KLBD (Beth Din Kashrut Division)
- Approved by ECOCERT GREENLIFE, conform to the 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.

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] Wolfgang Blascheck u.a. (Hrsg.), HagerROM 2017, Hagers Enzyklopädie der Arzneistoffe und Drogen, Stuttgart: Wissenschaftliche Verlagsgesellschaft Stuttgart, 2017
- [3] F.C. Czygan, D. Frohne, Chr. Hölzel, A. Nagell, P. Pachaöy, H.J. Pfänder, M. Wichtl, G. Willhuhn, W. Buff, Teedrogen und Phytopharmaka, 3. Auflage., Stuttgart: Wissenschaftliche Verlagsgesellschaft GmbH 1997

Disclaimer:

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