



Version No. 028.001_08_S, Date: 23.04.2020

General Specification

St. John`s Wort CO2-to extract

Type No. 028.001



Raw material:

Hypericum perforatum-Twig tops with flowers, dried

Production:

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

D/E - ratio:

14 - 25 kg St. John's Wort to 1 kg product.

Organoleptic description:

Brown stiff product at room temperature with characteristic smell.

Composition:

100 % St. John's Wort CO2-to extract

Ingredients:

30 - 45 % total hyperforins, resins and waxes, no photosensibilising hypericin.

Declaration:

In food:
flavouring preparation or St. John's Wort extract

In cosmetics:
INCI-Name: Hypericum Perforatum Flower/Twig Extract, CAS-No. 84082-80-4, EINECS-No. 282-026-4

Application:

Traditional use:
St. John's wort is used in herbal medicinal products for the treatment of mild to moderate depressive phases, as well as for the short-term symptomatic treatment of mild depressive disorders [2].

In food:
According to Annex IV of the Flavouring Regulation (Regulation (EC) No 1334/2008), the use as flavouring extract in food is restricted to the use in alcoholic beverages.

In food supplements:
Due to the enrichment of Hyperforin in the extract, we cannot exclude the possibility of classification as a novel food according to Regulation (EU) 2015/2283. Also, we currently have no reliable evidence of significant consumption of the extract before 15.05.1997.

In cosmetics:
St. John's wort extract is rich in hyperforin, which has an antimicrobial and anti-inflammatory effect. It also helps to reduce water loss from the skin. As a result, the extract can be used in various skin care products for sensitive, irritated, dry and impure skin [3].

Handling:

Warm up and mix before use!



	<p>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 in cosmetics, perfumery and aromatherapy. Keep away from children!</p>
Stability:	<p>Unopened containers at least 2 years under exclusion of light and following conditions:</p>
Transport:	<p>Store in a cool, dry place under exclusion of oxygen/air! No dangerous good in the sense of the transport regulations.</p>
REACH - Status:	<p>This product is currently not subject to registration.</p>
Certification:	<ul style="list-style-type: none">- 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:	<p>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 its valid version.</p>
Literature:	<p>[1] P. Manninen, E. Häivälä, S. Sarimo, H. Kallio, Distribution of microbes in supercritical CO₂ extraction of sea buckthorn (<i>Hippophae rhamnoides</i>) oils, <i>Zeitschrift für Lebensmitteluntersuchung und -Forschung / Springer-Verlag</i> (1997) 204: 202-205</p> <p>[2] Committee on Herbal Medicinal Products (HMPC), European Medicines Agency (EMA), COMMUNITY HERBAL MONOGRAPH ON HYPERICUM PERFORATUM L., HERBA (WELL-ESTABLISHED MEDICINAL USE), (2009) EMA/HMPC/101304/2008</p> <p>[3] U. Wölflle, G. Seelinger und C. M. Schempp, Topical Application of St. John 's Wort (<i>Hypericum perforatum</i>), <i>Planta Medica</i> 2014; 80: 109–120</p>