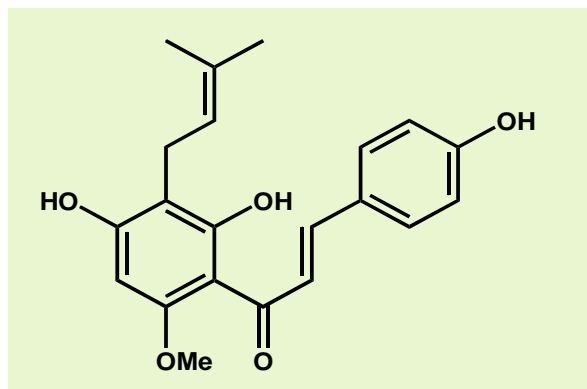


Xantho-Flav Pure

❖ Overview

- **Xantho-Flav Pure** is a natural product produced from hops.
- The main substance of **Xantho-Flav Pure** is the hop compound xanthohumol.
- **Xantho-Flav Pure** can be used as raw material for food production and is suitable for use in the cosmetic or pharmaceutical industry.



Xanthohumol

❖ Specifications

- **Xanthohumol:** > 85 %
- **Ethanol, Ethylacetate:** < 0.1 %
- **Density:** ~ 500 g/l

❖ Properties

❑ Taste

Xantho-Flav Pure is neutral.

❑ Appearance

A yellow powder.

❑ Solubility

Although **Xantho-Flav Pure** is almost totally insoluble in water, it shows very good solubility in ethanol.

Further information on solubility:

J. Agric. Food Chem. 1999, 2421 – 2428.

□ Physiological properties

Xantho-Flav Pure contains a high concentration of the prenylated flavonoid xanthohumol. As demonstrated in numerous “in vitro”-tests, xanthohumol shows a wide range of potentially beneficial effects, amongst which is its high degree of anti-oxidative activity. Its bioavailability, impact on metabolism and pharmacokinetics have all been examined in animal testing. A dose rate of 100 mg xanthohumol per kg of animal weight showed no toxic effect (*Molecular Nutrition and Food Research, Edition 9/05*).

□ Quality

All Hopsteiner® products are produced in plants accredited to internationally accepted quality standards.

❖ Packaging

Xantho-Flav Pure can be packed in various types of containers (i.e. brown glass bottles) to suit customer requirements.

❖ Product Use

Xantho-Flav Pure can be used as solid powder or, alternatively, can be dissolved in ethanol.

□ Dosage

The required dosage of **Xantho-Flav Pure** depends on its specific use and method of addition.

□ Storage

Xantho-Flav Pure should be stored cool (< 5°C) and be protected from light in sealed containers.

□ Best Before:

Xantho-Flav Pure is stable 2 years from date of production.

□ Safety

Xantho-Flav Pure is classified in GHS category 5. If **Xantho-Flav Pure** gets into the eyes, irrigate thoroughly with water and seek medical attention.

For full safety information please see the relevant Hopsteiner® material safety data sheet.

❖ Analytical Methods

The following method is used when analysing **Xantho-Flav Pure**:

- Modified HPLC-method EBC 7.8 (UV detection at 370 nm with external calibration by pure xanthohumol).

❖ Technical Support

We will be pleased to offer help and advice on the full range of Hopsteiner® products:

- Material Safety Data Sheets (MSDS)
- Copies of all relevant analytical procedures
- Specialist analytical services

❖ Remark

We take a great deal of care in the preparation of **Xantho-Flav Pure** from a natural raw material (hops). However, the use or application of **Xantho-Flav Pure** is the sole responsibility of the buyer.

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