



Version No. 164.003\_08\_S, Date: 04.05.2021

## General Specification

### Schisandra Fruit CO2-to extract

### Variety Chinensis, Type No. 164.003

**Raw material:**

*Schisandra chinensis*-Fruit,  
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:**

6,3 - 9,1 kg Schisandra Fruits to 1 kg product.

**Organoleptic  
description:**

Yellow to light brown, clear oily liquid. The extract has a weak aromatic odor.

**Composition:**

100 % Schisandra Fruit CO2-to extract, Variety Chinensis

**Ingredients:**

The extract contains more than 8 % rare dibenzo[a,c]cyclooctadiene lignans of the gomisin and schizandrin types, beta sitosterol and essential oil, fatty oil with a high content of linoleic acid.

**Declaration:**

In food supplements:

schisandra fruit extract

**Application:**

Traditional use:

In classical Chinese medicine, schisandra fruits are used for chronic cough and asthma, gastrointestinal diseases such as diarrhea, spontaneous sweating, shortness of breath and anxiety with palpitations and insomnia, and generally for disease-related fatigue. Studies indicate a blood sugar-lowering effect, which is why the use of schisandra fruits seems possible for the treatment of diet-related chronic diseases such as diabetes. Schisandra fruit extracts also have antioxidant, antibacterial, anti-inflammatory and liver-protective properties [2,3,4].

In food supplements:

Because of its well-known use in traditional Chinese medicine, it can also be used in food supplements.

**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:**

This product is currently not subject to registration.

**Certification:**

- HALAL certified by HCS (Halal Certification Services)
- KOSHER certified by KLBD (Beth Din Kashrut Division)

**Conformity:**

The product complies with the general EU food law requirements.



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**Literature:**

- [1] P. Manninen, E. Häivälä, S. Sarimo, H. Kallio, Distribution of microbes in supercritical CO<sub>2</sub> 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] WHO Consultation on Selected Medicinal, *Fructus Schisandrae* in: WHO monographs on selected medicinal plants. Vol. 3., World Health Organization, 2007
- [4] A. Nowak, M. Zakłós-Szyda, J. Błasiak, A. Nowak, Z. Zhang and B. Zhang, Potential of *Schisandra chinensis* (Turcz.) Baill. in Human Health and Nutrition: A Review of Current Knowledge and Therapeutic Perspectives, *Nutrients* 2019, 11, 333