



Întreprindere Individuală Garda Andrea Ilona
CUI RO25358250
str. Mărășești nr.7, Salonta 415500
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General Specification GlucodOX® Liquid Guggul-MCT810, Type No. 211.005



Raw material:

Commiphora mukul - Resin

Production:

By supercritical CO2 extraction with small amount of ethanol as cosolvent, no inorganic salts, no heavy metals, no reproducible microorganisms [1]. The extract is standardised with MCT-oil, a food grade medium chain triglyceride.

D/E - ratio:

3,0 - 4,0 kg Commiphora Mukul resin to 1 kg product.

Organoleptic description:

Yellow brown, clear to slightly turbid oil with weak typical smell.

Composition:

60 -65 % Commiphora Mukul resin extract
35- 40 % MCT- oil (coconut)

Ingredients:

1,9 - 2,1 % Guggulsterones analysed by HPLC, > 2,5 % sum of guggulsterols, small amount of essential oil, cembrene and mukulol (allylcembrol), less than 3 % of ethanol

Declaration:

In food supplements:

Commiphora Mukul resind extract and vegetable oil (medium-chain triglycerides from coconut)

In cosmetics:

INCI-Name: Commiphora Mukul Resin Extract, CAS-No. 93165-11-8, EINECS-No. 296-895-2 and Caprylic/Capric Glycerides, CAS-No. 73398-61-5, EINECS-No. 277-452-2

Application:

Traditional use:

In traditional Indian medicine, Commiphora Mukul resin is used against numerous diseases such as nervous disorders, muscle cramps, high blood pressure and urinary tract diseases or to treat acne [2].

In food supplements:

In food supplements the resin is used for fat burning and weight reduction, as well as for strengthening the immune system [2].

In cosmetics:

The extract has a repairing effect and is recommended for the treatment of degenerative skin symptoms and wrinkling. It has anti-inflammatory and skin strengthening properties [3]. It can also be used in products for irritated skin.

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!



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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:- 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] Scott A. Masten, Gum Guggul and some of its steroidal constituents - Review of toxicological literature, *Integrated Laboratory Systems, Inc., Research Triangle Park, North Carolina* (2005)
- [3] C. Ramachandran, K-W. Quirin, A. Resek and S.J. Melnick, Protective and restorative effects of a *Commiphora mukul* gum resin and triheptanoin preparation on the CCL-110 skin fibroblast cell line, *International Journal of Cosmetic Science* 2012, 34, 155-160

Disclaimer:

This specification has been prepared to the best of our knowledge for customer information, but under exemption of liability, particularly regarding infringement of or prejudice to third party rights by the use of the product. Statements on application summarise literature evidence and have informative character. Statements have not been evaluated by competent authorities and do not refer to finished products. The marketer of a finished product containing an extract as an ingredient is responsible for ensuring that the product claims are lawful and that the applicable laws and regulations of the country in which the product is sold are complied with.