



General Specification

Lemon Myrtle CO₂-se extract (organic)

DE-ÖKO-013, Type No. 209.004

Raw material:

Backhousia citriodora - Leaves,
dried, from organic farming

**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:

25 - 33 kg lemon myrtle leaves to 1 kg product.

Organoleptic description:

Yellow to reddish-brown liquid with intense lemon flavour

Composition:

100 % Lemon Myrtle CO₂-se extract (organic)

Ingredients:

The extract contains 75 - 90 % essential oil with 25 - 35 % neral and 50 - 65 % geranial, furthermore traces of citronellol, geraniol, citronellal.

Declaration:

In food:
flavouring preparation or lemon myrtle extract

In cosmetics:
INCI-Name: Backhousia Citriodora Leaf Extract, CAS-No. 84775-80-4, EINECS-No. 283-909-7

Application:

Traditional use:

Lemon myrtle has an antimicrobial and antiviral effect. It can therefore be used externally for fever blisters and internally for colds. The essential oil is also used to treat skin lesions caused by the molluscum contagiosum virus (MCV), a disease affecting children and immunocompromised patients [2,3].

In food:

Lemon myrtle extract is suitable for flavouring food products such as alcoholic and non-alcoholic drinks, liqueurs, flavoured oils and sauces. The extract also goes well with sweets, ice cream and desserts.

In cosmetics:

The essential oil of lemon myrtle has strong antimicrobial properties against a variety of skin relevant bacteria [4]. The extract can therefore be used as an ingredient in cosmetics and personal care products such as soaps, creams, toothpaste, shampoo and conditioners. Due to its characteristic, harmonious citrus note, the extract is also used in the perfume industry.

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:	- ORGANIC certified by QC&I (Quality, Certification and Inspection) - HALAL certified by HCS (Halal Certification Services) - KOSHER certified by KLBD (Beth Din Kashrut Division)
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 CO ₂ extraction of sea buckthorn (<i>Hippophae rhamnoides</i>) oils, Zeitschrift für Lebensmitteluntersuchung und -Forschung / Springer-Verlag (1997) 204: 202-205 [2] Briant E. Burke, Jon-Eric Baillie, Richard D. Olson, Essential oil of Australian lemon myrtle (<i>Backhousia citriodora</i>) in the treatment of molluscum contagiosum in children, Biomedicine & Pharmacotherapy 58 (2004) 245—247 [3] Jeff Jones, Lemon myrtle (<i>Backhousia citriodora</i>), For the Herb Federation of New Zealand's Herb Awareness Week 2012, https://herbs.org.nz/lemon-myrtle-fact-sheet/ [4] A.j. Hayes and B. Markovic, Toxicity of Australian essential oil <i>Backhousia citriodora</i> (Lemon Myrtle). Part 1. Antimicrobial activity and in vitro cytotoxicity, Food and Chemical Toxicology 40 (2002) 535-543

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 a FLAVEX 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.