



General Specification

Cinnamon Bark Cassia CO₂-to extract

Type No. 034.017

Raw material:	<i>Cinnamomum cassia</i> - Bark, dried		 <small>683687-DE-8102</small> 
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:	23 - 26 kg cinnamon bark to 1 kg product.		
Organoleptic description:	Brown viscous oil with aromatic strong cinnamon smell.		
Composition:	100 % Cinnamon Bark Cassia CO ₂ -to extract		
Ingredients:	60 - 75 % cinnamaldehyde, 2 - 7 % o-methoxy cinnamaldehyde and < 3 % coumarin.		
Limited substances (food):	According to Annex II Reg. (EC) No. 1334/2008 (flavour regulation): coumarin, estragole (for values in the extract, see certificate of analysis)		
Declaration:	<p>In food: flavouring preparation or cinnamon extract or spice extract</p> <p>In cosmetics: INCI-Name: Cinnamomum Cassia Bark Extract, CAS-No. 84961-46-6, EINECS-No. 284-635-0</p>		
Application:	<p>Traditional use: Cinnamon extracts have antibacterial and fungicidal properties. In folk medicine, cassia cinnamon is used for the symptomatic treatment of digestive complaints such as upper abdominal flatulence and diarrhoea [2].</p> <p>In food: The cinnamon extract can be used as a flavouring extract in chewing gum, confectionery, beverages and other foods, especially as a spice extract in baked goods.</p> <p>In cosmetics: The aromatic flavour of cinnamon extract makes it suitable for use as a fragrance in the perfume industry and other cosmetic products. Cinnamon extracts also have an antibacterial effect, especially against oral pathogens, which is this reason why the extract is used in toothpaste or mouthwash [3].</p>		
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:	- 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 (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] Hye-Young Kim, Jun-Beom Park, In vitro evaluation of anti-caries effect of cinnamon extracts on oral pathogens, Biomedical Research 2017; 28 (6): 2848-2853

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.