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Certificate of Analysis

Cinnamon Bark *Burmannii* CO2

Cinnamomum burmannii

Batch. #ID-361424

Type no 034.003
Lab no 21953
Production: December 2016 retest: December 2021
Raw material: *Cinnamomum burmannii* - Bark, from organic farming, dried
Country of origin of raw Indonesia
Material: country of origin of Germany
Product: 18 - 22 kg raw material yield 1 kg product.
D/E - ratio:

Sensory Check

feature	reference	result
Appearance:	brown, slightly turbid oil	meets
Odour:	fine aromatic cinnamon smell	meets

Analytical Check

feature	method	limits	value unit
Coumarin	21.036.02, HPLC	< 7	5,1 %
Cinnamyl alcohol	21.036.02, HPLC	n.s.	0,50 %
Cinnamaldehyde	21.036.02, HPLC	65 - 85	81,4 %
o-Methoxy cinnamaldehyde	21.036.02, HPLC	n.s.	0,05 %
Eugenol	21.036.02, HPLC	n.s.	n.d. %
Cinnamyl acetate	21.036.02, HPLC	n.s.	0,34 %
Cinnamic acid ethylester	21.036.02, HPLC	n.s.	n.d. %
Content of water	21.074.02, Distillation	< 10	2,0 %
Monitoring of substances, not listed above*:			
Methyl chavicol (Estragole)	GCMS	n.s.	< 0,01 %
Methyleugenol	GCMS	n.s.	< 0,01 %
1.8 cineol	GCMS	n.s.	0,36 %

n.s. = not specified n.d. = not detected

*according to "Arrêté du Juin 2014" establishing the list of plant, authorized in food supplements

Storage conditions: Store in a cool, dry place and under inert gas!

Digitally signed by Anja Cawelius
Reason: Quality Control
Date: 2017.07.28 15:38:34 +02'00'

The product meets specifications no. 16.169.06/66.243.05; date of analysis: 2016.12.09

The data in this report of analysis have been determined carefully and to the best of our knowledge. Depending on transport and storage conditions the indicated data can be subject to certain changes which are outside of our influence. Hence the report has not the meaning of a guaranty in the legal sense and does not dispense the customer from making his own quality control before using the product.