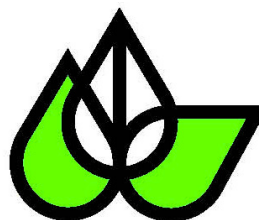


Hochdruckextraktion mit CO₂NATRUE
Approvedsince 1986
FLAVEX[®]
Naturextrakte

Certificate of Analysis

Frankincense Serrata CO₂-se extract, type no. 038.001

batch no. 502305, lab no. 41525

Production: March 2022

Retest: May 2026

Expiration date: March 2031

raw material:

Boswellia serrata - Resin

country of origin of raw material: India

country of origin of product: Germany

D/E - ratio: 8,0 - 12,5 kg raw material yield 1 kg product.

Product contains: no carriers and excipients

Sensory Check

feature	reference	result
Appearance:	Light-yellow to orange, liquid, clear oil	meets

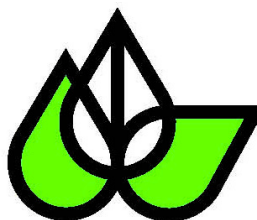
Analytical Check

feature	method	limits	value	unit
Content of essential oil	21.006.01, Distillation, gravimetric	70 - 90	88,7	% (g/ 100g)
Composition of the volatile compounds:	GCFID, 100 % Method			
alpha Thujene	21.209.02, GC	40 - 60	48,9	%
alpha Pinene	21.209.02, GC	3 - 15	6,1	%
Sabinene	21.209.02, GC	n.s.	4,6	%
delta 3-Carene	21.209.02, GC	n.s.	0,42	%
p-Cymene	21.209.02, GC	n.s.	2,2	%
Limonene	21.209.02, GC	n.s.	1,1	%
Octyl acetate	21.209.02, GC	n.s.	0,15	%
Estragole (= Methyl chavicol)	21.209.02, GC	n.s.	2,3	%
beta Bourbonene	21.209.02, GC	n.s.	0,65	%
Serratol / Incensole	21.209.02, GC	n.s.	17,4	%
Incensole acetate	21.209.02, GC	n.s.	n.d.	%
GC fingerprint	21.209.02, GC	Standard	entspricht	
Refractive index (20°C)	21.271.01, Digital Refractometer	1,470 - 1,490	1,4781	
Density (20°C)	21.024.03, Pycnometer	0,880 - 0,920	0,8810	g/cm ³
Monitoring of substances*:				
beta Boswellic acid	HPLC	n.s.	0,16	%
Estragol (= Methyl chavicol) in extract	GCMS, quantitative	n.s.	2,3	%
Methyleugenol in extract	GCMS, quantitative	n.s.	0,55	%

n.s. = not specified

n.d. = not detected

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Analytical Check

feature	method	limits	value	unit
Substances relevant for VOC (Switzerland) reporting:				
Limonene	quantitative i. extr., GCMS	n.s.	0,87	%
p-Cymene	quantitative i. extr., GCMS	n.s.	1,1	%

n.s. = not specified

n.d. = not detected

*Substances to be monitored according to "Arrêté du Juin 2014" laying down the list of plants, authorized in food supplements

The product meets the current version of the analytical (038.001_13_AS) and of the general (038.001_15_S) specification.

date of analysis: 2026.05.05

This computerized CoA has digital signature validated by FLAVEX QC.

Anja Cawelius
Quality control
2026.06.26
15:55:11+02'00'

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. For further product-relevant substances, see IFRA list and cosmetic allergen list.

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