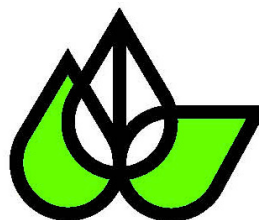


Hochdruckextraktion mit CO₂

since 1986
FLAVEX[®]
Naturextrakte

Certificate of Analysis

Galbanum CO₂-se extract, type no. 030.001

batch no. 312426, lab no. 41930

Production: October 2022

Retest: July 2026

Expiration date: October 2031

raw material:

Ferula galbaniflua - Resin

country of origin of raw material: Iran

country of origin of product: Germany

D/E - ratio: 3,7 - 5,0 kg raw material yield 1 kg product.

Product contains: no carriers and excipients

Sensory Check

feature	reference	result
Appearance:	yellow, clear liquid	meets
Odour:	strong green-balsamic odor	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	75 - 95	94,2 g/ 100g
Composition of the volatile compounds:	GCMS, 100 % Method		
alpha Pinene	GCMS, 21.254..01	n.s.	4,4 %
beta Pinene	GCMS, 21.254..01	35 - 60	55,3 %
Myrcene	GCMS, 21.254..01	n.s.	2,2 %
delta 3-Carene	GCMS, 21.254..01	n.s.	1,3 %
Limonene	GCMS, 21.254..01	n.s.	0,51 %
Phellandrene	GCMS, 21.254..01	n.s.	0,80 %
Fenchyl acetate	GCMS, 21.254..01	n.s.	0,37 %
Guaiol	GCMS, 21.254..01	n.s.	2,8 %
Eudesmol (alpha + beta)	GCMS, 21.254..01	n.s.	1,2 %
Bulnesol	GCMS, 21.254..01	n.s.	2,9 %
Undeca-1,3,5-trienes (Galbanoles)	GCMS, 21.254..01	n.s.	0,81 (0,22 + 0,59) %
Refractive index (20°C)	21.271.01, Digital Refractometer	1,4840 - 1,4895	1,4849
Density (20°C)	21.024.03, Pycnometer	0,90 - 0,92	0,9016 g/cm ³
Substances relevant for VOC (Switzerland) reporting:			
Limonene	quantitative i. extr., GCMS	n.s.	0,48 %

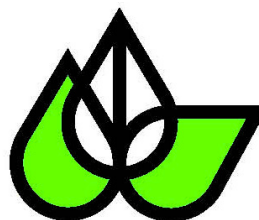
n.s. = not specified

n.d. = not detected





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Analytical Check

feature	method	limits	value	unit
p-Cymene	quantitative i. extr., GCMS	n.s.	0,22	%
		n.s. = not specified	n.d. = not detected	

The product meets the current version of the analytical (030.001_05_AS) and of the general (030.001_11_S) specification.

date of analysis: 2026.07.23

This computerized CoA has digital signature validated by FLAVEX QC.

Anja Cawelius
Quality control
2026.07.23
12:21:45+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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