

Certificate of Analysis

Lavender Flower CO₂-se extract, type no. 084.001

batch no. 042409, lab no. 38327

production: October 2024

retest: October 2029

raw material:

Lavandula hybrida - Flower, dried

country of origin of raw material: Albania

country of origin of product: Germany

D/E - ratio: 17 - 25 kg raw material yield 1 kg product.

Product contains: no carriers and excipients

Sensory Check

feature	reference	result
Appearance:	Light yellow to yellow, clear liquid	meets
Odour:	sweet, floral-balsamic odor	meets

Analytical Check

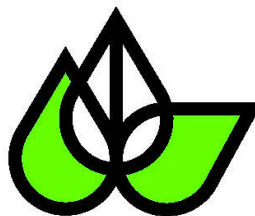
feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	60 - 85	73,2 % (g/ 100g)
Composition of the volatile compounds:	GCMS, 100 % Method		
Limonene	GC, 21.249.01	n.s.	0,18 %
1,8 Cineol	GC, 21.249.01	> 4	6,6 %
Linalool oxides (cis and trans)	GC, 21.249.01	n.s.	3,6 %
Linalool	GC, 21.249.01	> 13	22,2 %
Camphor	GC, 21.249.01	> 6	12,5 %
Lavandulol	GC, 21.249.01	n.s.	1,2 %
Terpinene-4-ol	GC, 21.249.01	n.s.	0,99 %
Borneol	GC, 21.249.01	n.s.	4,1 %
alpha Terpineol	GC, 21.249.01	n.s.	0,64 %
Linalyl acetate	GC, 21.249.01	> 15	25,3 %
Lavandulyl acetate	GC, 21.249.01	n.s.	3,0 %
beta Caryophyllene	GC, 21.249.01	n.s.	2,0 %
Caryophyllene oxide	GC, 21.249.01	n.s.	2,5 %
Refractive index (20°C)	21.271.01, Digital Refractometer	1,460 - 1,480	1,4651
Density (20°C)	21.024.03, Pycnometer	0,910 - 0,960	0,9377 g/cm ³
Content of water	21.220.01, Karl Fischer method	n.s.	1,6 %

n.s. = not specified

n.d. = not detected



Hochdruckextraktion mit CO₂



since 1986
FLAVEX[®]
Naturextrakte

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feature	method	limits	value	unit
Quantitative analysis of marker substances:				
Linalool	HPLC, 21.269.01	n.s.	22,8	%
Linalyl acetate	HPLC, 21.269.01	n.s.	21,0	%
Monitoring of substances, not listed above*:				
Thujones	GCMS	n.s.	n.d. (< 0,1)	%
Substances relevant for VOC (Switzerland) reporting:				
Limonene	quantitative i. extr., GCMS	n.s.	0,13	%
p-Cymene	quantitative i. extr., GCMS	n.s.	n.d.	%

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 (084.001_09_AS) and of the general (084.001_07_S) specification.

date of analysis: 2024.10.02

This computerized CoA has digital signature validated by FLAVEX QC.

Anja Cawelius
Quality control
2024.06.29
10:34:26+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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