



Healing Body, Mind and Spirit
with Pure Essential Oils Since 1995

www.naturesgift.com

316 Old Hickory Blvd East, Madison, TN 37115
Tel (615)612-4270 fax (615)860-9171
sold@naturesgift.com

Certificate of Analysis

Galbanum CO₂-se extract

Batch #GE-58931

lab no.: 27188
production: May 2019 retest: May 2024
raw material: *Ferula galbaniflua* - Resin
country of origin of raw material: Iran
country of origin of product: Germany
D/E - ratio: 4,0 - 5,0 kg raw material yield 1 kg product.

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	94,1 g/ 100g
Composition of the volatile compounds:	GCMS, 100 % Method		
alpha Pinene	GCMS, galbanum.met	n.s.	3,8 %
beta Pinene	GCMS, galbanum.met	35 - 55	51,4 %
Myrcene	GCMS, galbanum.met	n.s.	2,1 %
delta 3-Carene	GCMS, galbanum.met	n.s.	1,3 %
Limonene	GCMS, galbanum.met	n.s.	n.d. %
Phellandrene	GCMS, galbanum.met	n.s.	0,51 %
Fenchyl acetate	GCMS, galbanum.met	n.s.	0,05 %
Guaiol	GCMS, galbanum.met	n.s.	3,7 %
Eudesmol (alpha + beta)	GCMS, galbanum.met	n.s.	1,0 %
Bulnesol	GCMS, galbanum.met	n.s.	4,2 %
Undeca-1,3,5-trienes (Galbanoles)	GCMS, galbanum.met	n.s.	2,0 %
Cyclopentadecane	GCMS, galbanum.met	n.s.	n.d. %
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,4855 - 1,4895	1,4865
Density (20°C)	21.024.03, Pycnometer	0,90 - 0,92	0,9002 g/cm ³

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

Storage conditions: Store in a cool, dry place!



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Digitally signed by Anja Cawelius
Reason: Quality Control
Date: 2019.05.21 12:55:04 +02'00'

The product meets specifications no. 16.412.03/66.122.07; date of analysis: 2019.05.21

This computerized CoA has digital signature validated by Nature's Gift Aromatherapy.

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.
