



Certificate of Analysis

Juniper Berries CO₂-se extract (organic), type no. 017.003

Batch #GE-58872

production: October 2018 retest: October 2023
raw material: *Juniperus communis* - Berries, dried, from organic farming
country of origin of rawmaterial: Bosnia and Herzegovina
country of origin of product: Germany
lab no. 25784
D/E - ratio: 33 - 50 kg raw material yield 1 kg product.

Sensory Check

feature	reference	result
Appearance:	pale yellow, clear liquid	meets
Odour:	weet fresh woody - balsamic coniferous like odour	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	65 - 85	68,7 % (g/ 100g)
Composition of the volatile compounds:	GCMS, 100 % Method		
alpha Pinene	21.231.01, GCMS	17 - 37	23,6 %
Sabinene	21.231.01, GCMS	n.s.	16,3 %
beta Pinene	21.231.01, GCMS	n.s.	1,4 %
beta Myrcene	21.231.01, GCMS	n.s.	11,7 %
Cymene	21.231.01, GCMS	n.s.	0,19 %
Limonene	21.231.01, GCMS	n.s.	3,4 %
gamma Terpinene	21.231.01, GCMS	n.s.	0,25 %
beta Terpineol	21.231.01, GCMS	n.s.	0,31 %
Terpinolene	21.231.01, GCMS	n.s.	0,95 %
4-Terpineol	21.231.01, GCMS	n.s.	0,47 %
alpha Terpineol	21.231.01, GCMS	n.s.	0,11 %
Copaene alpha	21.231.01, GCMS	n.s.	0,35 %
beta Caryophyllene	21.231.01, GCMS	n.s.	2,8 %
beta Farnesene	21.231.01, GCMS	n.s.	0,64 %
Humulene	21.231.01, GCMS	n.s.	2,1 %
Germacrene D	21.231.01, GCMS	7 - 17	10,8 %
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,490 - 1,510	1,4956
Density (20°C)	21.024.03, Pycnometer	0,880 - 0,930	0,9076 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: 10.08.2018. 09:35:38 +02'00'

The product meets specifications no. 16.590.01/66.539.01; date of analysis: 10.08.2018.

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.