



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

orderdesk@naturesgift.com

## Certificate of Analysis

### Juniper Berries CO2 Select

batch #GE-871314

lab no: 23886  
type no: 017.001  
production: November 2017 retest: November 2022  
raw material: *Juniperus communis* - Berries, dried  
country of origin of raw material: Bosnia and Herzegovina  
country of origin of product: Germany  
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	67,8 % (g/ 100g)
Composition of the volatile compounds:	GCMS, 100 % Method		
alpha Pinene	GCMS, juniper.met	17 - 37	24,3 %
Sabinene	GCMS, juniper.met	n.s.	16,5 %
beta Pinene	GCMS, juniper.met	n.s.	1,2 %
beta Myrcene	GCMS, juniper.met	n.s.	11,4 %
Cymene	GCMS, juniper.met	n.s.	0,09 %
Limonene	GCMS, juniper.met	n.s.	2,8 %
gamma Terpinene	GCMS, juniper.met	n.s.	0,23 %
beta Terpineol	GCMS, juniper.met	n.s.	0,34 %
Terpinolene	GCMS, juniper.met	n.s.	0,85 %
4-Terpineol	GCMS, juniper.met	n.s.	0,42 %
alpha Terpineol	GCMS, juniper.met	n.s.	0,12 %
Copaene alpha	GCMS, juniper.met	n.s.	0,29 %
beta Caryophyllene	GCMS, juniper.met	n.s.	2,7 %
beta Farnesene	GCMS, juniper.met	n.s.	0,78 %
Humulene	GCMS, juniper.met	n.s.	2,0 %
Germacrene D	GCMS, juniper.met	7 - 17	12,5 %
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,490 - 1,510	1,4979
Density (20°C)	21.024.03, Pycnometer	0,880 - 0,930	0,9096 g/cm <sup>3</sup>

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: 2017.11.22

The product meets specifications no. 16.132.10/66.043.07; date of analysis: 2017.11.22  
This computerized CoA has digital signature validated by Nature's Gift

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.

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