



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

Oregano Leaf CO2

Origanum vulgare

Batch #TU-261027

Type no.	103.026
Phenol Type,	DE-ÖKO-013
Lab no.	20341
Production:	January 2016 retest: January 2021
Raw material:	<i>Origanum vulgare</i> - Leaves, dried, from organic farming
Country of origin of raw	Turkey
Material: country of origin of	Germany
product:	35 - 55 kg raw material yield 1 kg product.
D/E - ratio:	

Sensory Check

feature	reference	result
Appearance:	Dark reddish-brown, clear to slightly turbid liquid	meets
Odour:	characteristic	meets

Analytical Check

feature	method	limits	value unit
Content of essential oil	21.006.01, Distillation, gravimetric	75 - 90	87,4 % (g/ 100g)
Composition of the volatile compounds:	GCMS, 100 % Method		
alpha Terpinene	GCMS, origano.met	n.s.	0,17 %
p-Cymene	GCMS, origano.met	n.s.	3,7 %
Limonene	GCMS, origano.met	n.s.	0,10 %
Linalool	GCMS, origano.met	n.s.	0,16 %
Borneol	GCMS, origano.met	n.s.	0,96 %
gamma Terpinene	GCMS, origano.met	n.s.	n.d. %
4-Terpineol	GCMS, origano.met	n.s.	0,78 %
Thymol	GCMS, origano.met	n.s.	0,30 %
Carvacrol	GCMS, origano.met	n.s.	80,6 %
Thymohydroquinone	GCMS, origano.met	n.s.	0,72 %
beta Caryophyllene	GCMS, origano.met	n.s.	0,14 %
Thymohydroquinone	21.175.05, HPLC quant.	n.s.	0,90 %

n.s. = not specified

n.d. = not detected



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feature	method	limits	value	unit
Thymoquinone	21.175.05, HPLC quant.	n.s.	8,1	%
Carvacrol	21.175.05, HPLC quant.	60 - 80	63,9	%
Thymol	21.175.05, HPLC quant.	< 5	0,37	%
Refractive index (20°C)	Abbe-Refractometer	1,500 - 1,520	1,5161	
Density (20°C)	21.024.02, Pycnometer	0,950 - 0,980	0,9755	g/cm ³

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

Storage conditions: Store in a cool, dry place and exclusion of light!

The product meets specifications no. 16.559.01/66.521.01; date of analysis: 2016.03.08

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.