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## **Certificate of Analysis**

## Thyme CO2-se

Batch #GE-59006

production: September 2013 Retest: April 2018 Expiration date: September 2021

lab no. 24651

raw material: Thymus vulgaris - Leaves, dried

country of origin of rawmaterial: Germany country of origin of product: Germany

D/E - ratio: 70 -100 kg raw material yield 1 kg product.

#### **Sensory Check**

feature	reference	result
Appearance:	Reddish light-brown liquid.	meets
Odour:	characteristic thyme odor	meets

### **Analytical Check**

feature	method	limits	value	unit
Content of essential oil	21.006.01, Distillation,	60 - 90	84,7	% (g/ 100g)
	gravimetric			
Composition of the volatile compounds:	GCMS, 100 % Method			
alpha Pinene	GCMS, Thyme.met	n.s.	0,34	
beta Myrcene	GCMS, Thyme.met	n.s.	0,60	%
p-Cymene	GCMS, Thyme.met	n.s.	11,2	%
Limonene	GCMS, Thyme.met	n.s.	0,21	%
1,8 Cineol	GCMS, Thyme.met	n.s.	0,38	%
gamma Terpinene	GCMS, Thyme.met	n.s.	8,0	%
Linalool	GCMS, Thyme.met	n.s.	1,8	%
Borneol	GCMS, Thyme.met	n.s.	0,78	%
Thymol	GCMS, Thyme.met	45 - 65	60,5	%
Carvacrol	GCMS, Thyme.met	n.s.	3,2	
beta Caryophyllene	GCMS, Thyme.met	n.s.	2,1	%
Thymol	21.175.05, HPLC quant.	> 40	49,1	%
Carvacrol	21.175.05, HPLC quant.	n.s.	2,8	%
Refractive index (20°C)	21.080.03,	1,490 - 1,520	1,5055	
,	Abbe-Refractometer	•	,	
Density (20°C)	21.024.03, Pycnometer	0,930 - 0,955	0,9422	g/cm³
Content of water	21.220.01, Karl Fischer	n.s.	1,7	0/2
Content of water	method	11.3.	1,7	70
		n.s. = not specified	n.d.	= not detected



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### Thyme CO2-se

Batch #GE-59006

### **Analytical Check**

feature	method	limits	value unit	
Monitoring of substances, not list	ed			
above*:	COMC	0	0.20.0/	
Camphor	GCMS	n.s.	0,20 %	

<sup>\*</sup>Substances to be monitored according to "Arrêté du Juin 2014" laying down the list of plants, authorized in food supplements

Storage conditions: Store in a cool, dry place.

Digitally signed by Anja Cawelius Reason: Quality Control Date: 2018.04.12 14:37:58 +02'00'

The product meets specifications no. 16.223.03/66.176.06; date of analysis: 2018.04.12 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.