



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
Thyme CO2 Select Extract
Thymus vulgaris

Batch #GE-951105

Type no. 039.002
Lab no. 18663
Production: May 2015 retest: May 2020
Raw material: *Thymus vulgaris* - Leaves, dried
Country of origin of raw Germany
Material: country of origin of Germany
Product: 70 -100 kg raw material yield 1 kg product.
D/E - ratio:
Certification:

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, gravimetric	60 - 90	83,9 % (g/ 100g)
Composition of the volatile compounds in extract:	GCMS, 100 % Method		
alpha Pinene	GCMS, Thyme.met	n.s.	0,34 %
beta Myrcene	GCMS, Thyme.met	n.s.	0,56 %
p-Cymene	GCMS, Thyme.met	n.s.	10,6 %
Limonene	GCMS, Thyme.met	n.s.	0,40 %
1,8 Cineol	GCMS, Thyme.met	n.s.	0,60 %
gamma Terpinene	GCMS, Thyme.met	n.s.	8,2 %
Linalool	GCMS, Thyme.met	n.s.	1,9 %
Borneol	GCMS, Thyme.met	n.s.	0,82 %
Thymol	GCMS, Thyme.met	45 - 65	60,7 %
Carvacrol	GCMS, Thyme.met	n.s.	6,1 %
beta Caryophyllene	GCMS, Thyme.met	n.s.	2,7 %
Thymol	21.175.04, HPLC	> 40	48,8 %
Carvacrol	21.175.04, HPLC	n.s.	2,9 %

n.s. = not specified

n.d. = not detected



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feature	method	limits	value unit
Refractive index (20°C)	Abbe-Refractometer	1,490 - 1,520	1,5064
Density (20°C)	21.024.02, Pycnometer	0,930 - 0,955	0,9449 g/cm ³
Content of water	Karl Fischer Titr.	n.s.	1,5 %
		n.s. = not specified	n.d. = not detected

Storage conditions: Store in a cool, dry place.

The product meets specifications no. 16.223.03/66.176.04; date of analysis: 015.05.18.

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.