



Healing Body, Mind, and Spirit
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Certificate of Analysis: Marjoram Leaf CO₂, *Origanum majorana*, dried leaves from Turkey, CO₂ extracted in Germany.

Batch No: GE-48508

Date of Analysis: 2015.02.20

Lab No: 18261

Type No: 004.001

Production: February 2015

Retest: February 2020

D/E - ratio: 50 - 58 kg raw material yield 1 kg product.

Sensory Check

Feature	Reference	Result
Appearance:	pale brown liquid	meets
Odor:	characteristic	meets

Analytical Check

Feature	Method	Limits	Value	Unit
Content of essential oil	21.006.01, Distillation, gravimetric	75 - 85	83,2	% (g/100g)
Composition of the volatile compounds in extract:	GCMS, 100 % Method			
Sabinene	GCMS, marjoran.met	< 10	3,2	%
Sabinene Hydrate cis + trans	GCMS, marjoran.met	30 - 60	49,1	%
Terpinene-4-ol	GCMS, marjoran.met	< 25	9,9	%
Sabinene Hydrate Acetate	GCMS, marjoran.met	10 - 25	12,4	%
Refractive index (20°C)	Abbe-Refractometer	1,464 - 1,474	1,4686	
Density (20°C)	21.024.02, Pycnometer	0,900 - 0,930	0,915	g/cm ³

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

Storage conditions: Store in a cool, dry place.