



Healing Body, Mind, and Spirit
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Certificate of Analysis: Clove Bud CO₂, *Syzygium aromaticum*, organically grown dried buds from Madagascar, extracted in Germany.

Batch No.: GE-48523

Date of Analysis: 2015.04.13

Production: March 2015

Retest: March 2020

Type No.: 035.004; DE-ÖKO-013

Lab No.: 18516

D/E - ratio: 5,0 - 6,3 kg raw material yield 1 kg product.

Sensory Check

Feature	Reference	Result
Appearance:	clear, yellow liquid	meets
Odor:	aromatic clove flavor	meets

Analytical Check

Feature	Method	Limits	Value	Unit
Content of essential oil	21.006.01, Distillation, gravimetric	80 - 95	91,6 %	(g/100g)
Composition of the volatile compounds in extract:	GCMS, 100 % Method			
Isoeugenol	GCMS, clove.met	n.s.	n.d.	%
beta Caryophyllene	GCMS, clove.met	10 - 20	15,4	%
Humulene	GCMS, clove.met	< 5	1,5	%
Eugenol	GCMS, clove.met	45 - 75	70,8	%
Eugenyl acetate	GCMS, clove.met	5 - 25	7,0	%
Refractive index (20°C)	Abbe-Refractometer	1,522 - 1,532	1,5276	
Density (20°C)	21.024.02, Pycnometer	1,025 - 1,055	1,0329	g/cm ³

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

Storage conditions: Store in a cool, dry place!