

Certificate of Analysis Clove Bud CO2 select (organic) Batch #DE-59380

Lab no. 31173

production: March 2021

retest: March 2026

raw material:

Syzygium aromaticum - Flower Buds, dried, from organic farming

country of origin of raw material: Madagascar

country of origin of product: Germany

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

Product contains: no carriers and excipients

Analytical Check

feature	method	limits	value	unit
Content of essential oil	21.006.01, Distillation, gravimetric	80 - 95	90,3	% (g/ 100g)
Composition of the volatile compounds:	GCMS, 100 % Method			
Isoeugenol	21.233.01, GCMS	n.s.	n.d.	%
beta Caryophyllene	21.233.01, GCMS	10 - 20	13,5	%
Humulene	21.233.01, GCMS	< 5	1,1	%
Eugenol	21.233.01, GCMS	45 - 75	65,8	%
Eugenyl acetate	21.233.01, GCMS	5 - 25	16,2	%
Refractive index (20°C)	21.080.03, Abbe-Refractometer	1,522 - 1,532	1,5262	
Density (20°C)	21.024.03, Pycnometer	1,025 - 1,055	1,0457	g/cm ³
Content of water	21.220.01, Karl Fischer method	n.s.	1,4	%
Monitoring of substances, not listed above*:				
Methyleugenol	GCMS	n.s.	35	ppm
Estragole (= Methyl chavicol)	GCMS	n.s.	n.d. (< 0,001)	%

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

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

The product meets the current version of the analytical (035.004_03_AS) and of the general (035.004_04_S) specification.

date of analysis: 2021.03.09

This computerized CoA has digital signature validated by Nature's Gift.

Digitally signed by Anja Cawelius
Reason: Quality control
Date: 2022.01.14 14:00:58+01'00'

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.