



# Jade Bloom

Health, Healing, & Happiness®

**Date:** April 17, 2020

## **CERTIFICATE OF ANALYSIS - GC PROFILING**

**Sample identification:** Clove leaf - JB2037-389832

**Type:** Essential oil

**Source:** Syzygium aromaticum

**Country of Origin:** Madagascar

## **ANALYSIS**

Method: 10152018\_10:1split.m - Analysis of the composition of an essential oil, or other volatile liquid, by GC-FID, identifications validated by GC-MS.

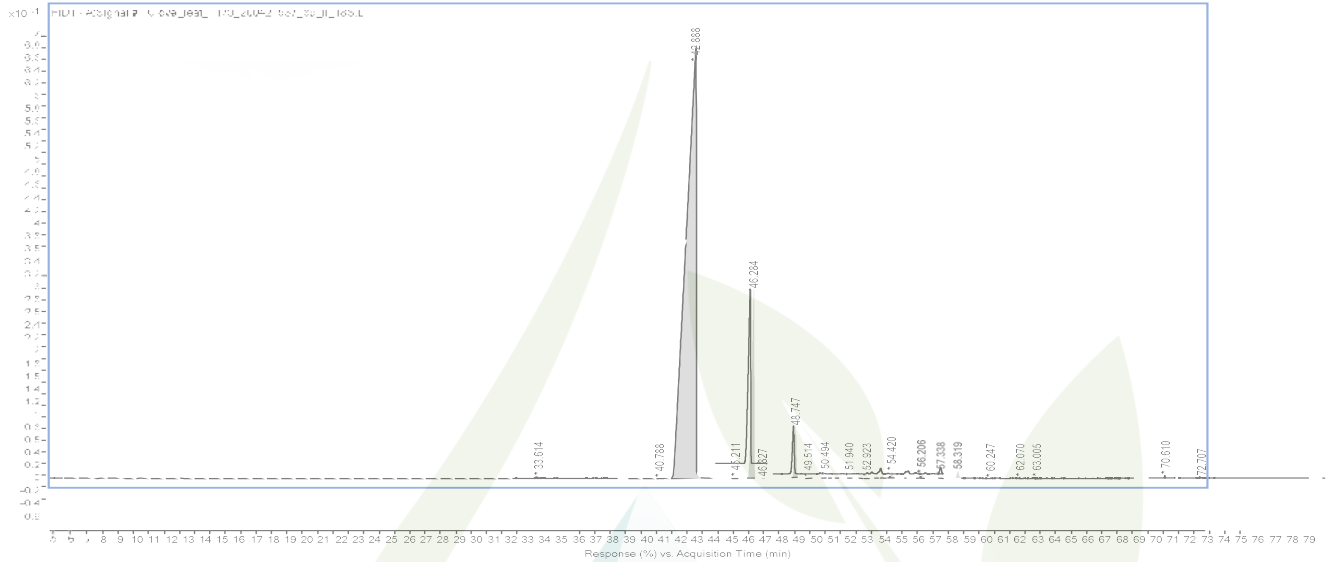
**Analysis date:** April 16, 2020

Physical aspect: Clear liquid

## **CONCLUSION**

No adulterant, contaminant or diluent has been detected using this method.

Peak	Compound	RT	Area Sum %
1	Chavicol	33.614	0.07
2	$\alpha$ -Cubebene	40.788	0.01
3	Eugenol	42.888	85.44
4	unknown	45.211	0.03
5	$\beta$ -Caryophyllene	46.284	10.82
6	unknown	46.827	0.02
7	$\alpha$ -Humulene	48.747	2.16
8	unknown	49.514	0.02
9	trans-Cadina-1(6),4-diene	50.494	0.06
10	$\gamma$ -Muurolene	50.766	0.03
11	$\beta$ -Selinene	51.197	0.03
12	$\alpha$ -Selinene	51.94	0.03
13	$\alpha$ -Muurolene	52.652	0.03
14	unknown	52.923	0.03
15	$\gamma$ -Cadinene	53.552	0.05
16	(3E,6E)- $\alpha$ -Farnesene	53.848	0.1
17	unknown	53.975	0.02
18	trans-Calamenene	54.311	0.06
19	$\delta$ -Cadinene	54.42	0.27
20	Eugenyl acetate	55.229	ND
21	unknown	56.062	0.12
22	unknown	56.206	0.15
23	Caryophyllenyl alcohol	57.338	0.06
24	Caryophyllene oxide	58.319	0.31
25	unknown	60.247	0.01
26	Caryophylladienol II	62.07	0.01
27	unknown	63.005	0.01
28	unknown	63.43	0.01
29	unknown	70.61	0.02
30	unknown	72.707	0.01
	<b>Total identified</b>		<b>99.59%</b>



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