



# Jade Bloom

Health, Healing, & Happiness®

**Date:** June 24, 2022

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

**Sample identification:** Organic Holy Basil - JB2267-234521

**Type:** Essential oil

### **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:** March 5, 2022

**Physical aspect:** Colorless Liquid

### **CONCLUSION**

No adulterant or contaminant has been detected using this method.

Peak	Compound	RT	Area Sum %
1	2,5-Diethyltetrahydrofuran	7.305	0.01
2	$\alpha$ -Thujene	8.593	0.15
3	$\alpha$ -Pinene	8.852	0.7
4	Camphene	9.542	0.25
5	Sabinene	10.984	0.2
6	$\beta$ -Pinene	11.058	0.2
7	3-Octenol	11.586	0.02
8	$\beta$ -Myrcene	12.212	0.16
9	Octanal	12.97	0.1
10	$\alpha$ -Terpinene	13.625	0.07
11	Limonene	14.409	0.17
12	1,8-Cineole	14.523	0.29
13	trans- $\beta$ -Ocimene	15.394	4.3
14	(E)- $\beta$ -Ocimene	16.057	0.37
15	Octanol	17.881	0.1
16	Linalool	19.921	0.2
17	Neo-allo-ocimene	22.172	0.41
18	Borneol	24.629	0.42
19	Terpinen-4-ol	25.662	0.22
20	$\alpha$ -Cubebene	39.818	0.03
21	Eugenol	41.283	43.94
22	$\alpha$ -Copaene	41.827	0.32
23	$\beta$ -Bourbonene	42.422	0.19
24	cis- $\beta$ -Elemene	42.731	0.54
25	unknown	43.08	0.05
26	$\beta$ -Elemene	43.422	10.86
27	Methyleugenol	45.103	14.23
28	$\beta$ -Caryophyllene	45.249	13.16
29	$\beta$ -Copaene	45.879	0.11
30	$\alpha$ -Humulene	47.655	1.14
31	cis-Muurola-4(14),5-diene	48.448	0.04
32	(E)- $\beta$ -Farnesene	48.913	0.06
33	Germacrene D	49.903	3.21
34	$\beta$ -Selinene	50.181	1
35	$\alpha$ -Selinene	50.912	1.28
36	unknown	51.609	0.1
37	$\gamma$ -Cadinene	52.479	0.09
38	$\delta$ -Cadinene	53.371	0.19
39	(E)-Nerolidol	56.83	0.01
40	Caryophyllene oxide	57.23	0.28
41	$\beta$ -Acorenol	59.569	0.04
42	$\tau$ -Cadinol	61.706	0.01
43	$\beta$ -Eudesmol	62.024	0.01
44	Neointermedeol	62.201	0.19
45	unknown	62.318	0.02

46	unknown	62.732	0.02
47	unknown	62.963	0.03
48	Acorenone B	63.377	0.02
49	unknown	63.991	0.02
50	unknown	64.24	0.02
51	unknown	71.218	0.02
52	unknown	71.571	0.02
53	unknown	71.815	0.08
54	unknown	72.431	0.02
	<b>Total identified</b>		<b>99.30%</b>



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