



# Jade Bloom

Health, Healing, & Happiness®

**Date:** April 29, 2022

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

**Sample identification:** Frankincense Sacra - JB2277-358932

**Type:** Essential oil

**Source:** Boswellia sacra

## **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 28, 2022

**Physical aspect:** Pale Yellow Liquid

## **CONCLUSION**

No adulterant or contaminant has been detected in this oil.

Peak	Compound	RT	Area Sum %
1	(3Z)-Hexenol	8.149	0.37
2	Tricyclene	8.278	0.06
3	$\alpha$ -Thujene	8.617	0.76
4	$\alpha$ -Pinene	9.03	73.09
5	Camphene	9.553	1.65
6	Thuja-2,4(10)-diene	9.877	0.35
7	m-Cymene	10.788	0.02
8	Sabinene	10.997	3.96
9	$\beta$ -Pinene	11.067	1.23
10	Camphene analog II	11.582	0.01
11	6-Methyl-5-heptene-2-one	12.032	0.09
12	$\beta$ -Myrcene	12.231	4.47
13	3-Octanol	12.417	0.02
14	$\alpha$ -Phellandrene	12.814	0.5
15	$\delta$ 3-carene	13.162	0.39
16	o-Methylanisole	13.266	0.13
17	unknown	13.389	0.01
18	$\alpha$ -Terpinene	13.626	0.13
19	Carvomenthene	13.883	0.02
20	p-Cymene	14.163	1.08
21	Limonene	14.439	5.5
22	1,8-Cineole	14.501	0.34
23	o-Cymene	15.103	0.01
24	(Z)- $\beta$ -Ocimene	15.359	0.28
25	unknown	15.873	0.01
26	(E)- $\beta$ -Ocimene	16.053	0.15
27	$\gamma$ -Terpinene	16.591	0.29
28	cis-Sabinene hydrate	17.171	0.01
29	cis-p-Mentha-2,8-dien-1-ol	17.501	0.02
30	unknown	17.667	0.01
31	unknown	18.197	0.02
32	$\alpha$ -Terpinolene	18.738	0.11
33	p-Cymenene	18.792	0.05
34	$\alpha$ -Pinene oxide	18.988	0.03
35	trans-Sabinene hydrate	19.267	0.1
36	Linalool	19.923	0.22
37	cis-para-Mentha-2-en-1-ol	21.218	0.03
38	$\alpha$ -Campholenal	21.603	0.2
39	Pinocarveol<trans->	22.383	0.29
40	unknown	22.617	0.1
41	trans-para-Mentha-2-en-1-ol	22.79	0.05
42	trans-Verbenol	23.062	0.15
43	$\alpha$ -Phellandrene-8-ol analog	23.351	0.09
44	Pinocamphone	24.152	0.04
45	$\alpha$ -Phellandrene-8-ol	24.944	0.14

46	Terpinen-4-ol	25.645	0.51
47	p-Cymen-8-ol	26.507	0.13
48	$\alpha$ -Terpineol	26.837	0.12
49	Myrtenal	27.092	0.08
50	Myrtenol	27.286	0.05
51	Verbenone	28.15	0.19
52	Octyl acetate	29.29	0.04
53	Carvone	31.188	0.03
54	unknown	33.265	0.02
55	Bornyl acetate	34.737	0.18
56	$\alpha$ -Cubebene	40.062	0.06
57	$\alpha$ -Copaene	41.714	0.07
58	$\beta$ -Bourbonene	42.329	0.11
59	$\beta$ -Elemene	43.218	0.45
60	$\beta$ -Caryophyllene	44.956	0.41
61	trans- $\alpha$ -Bergamotene	47.107	0.03
62	$\alpha$ -Humulene	47.599	0.1
63	Alloaromadendrene	48.147	0.03
64	trans-Cadina-1(6),4-diene	49.556	0.04
65	$\gamma$ -Muurolene	49.727	0.04
66	Germacrene D	49.799	0.03
67	$\beta$ -Selinene	50.125	0.22
68	$\alpha$ -Selinene	50.865	0.16
69	$\alpha$ -Muurolene	51.593	0.02
70	$\gamma$ -Cadinene	52.478	0.04
71	$\delta$ -Cadinene	53.366	0.09
72	Caryophyllene oxide	57.225	0.08
73	$\tau$ -Cadinol	61.707	0.02
74	$\beta$ -Eudesmol	61.974	0.03
	<b>Total identified</b>		<b>99.85%</b>

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