



# Jade Bloom

Health, Healing, & Happiness®

**Date:** April 29, 2022

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

**Sample identification:** Frankincense Sacra - 220276677

**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>

**DISCLAIMER:**

The information contained in this Certificate of Analysis and/or GC/MS is obtained from current and reliable sources. Jade Bloom provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. As the ordinary or otherwise use(s) of this product is outside the control of Jade Bloom, no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. Jade Bloom expressly disclaims responsibility as to the ordinary or otherwise use(s). Furthermore, nothing contained herein should be considered as a recommendation by Jade Bloom as to the fitness for any use. The liability Jade Bloom is limited to the value of the goods and does not include any consequential loss. Jade Bloom shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Jade Bloom shall not be responsible for any damages resulting from use of or reliance upon this information. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. This document is computer automated and is valid without signature