



# Jade Bloom

Health, Healing, & Happiness®

**Date:** May 23, 2022

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

**Sample identification:** Petitgrain - 210726730

**Type:** Essential oil

**Source:** Citrus aurantium

**Country of Origin:** Paraguay

## **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:** July, 2021

**Physical aspect:** Yellow liquid

## **CONCLUSION**

No adulterant or contaminant has been detected in this oil.

Peak	Compound	RT	Area Sum %
1	$\alpha$ -Thujene	8.613	0.01
2	$\alpha$ -Pinene	8.875	0.12
3	Camphene	9.565	0.03
4	Sabinene	11.026	0.18
5	$\beta$ -Pinene	11.083	1.1
6	6-Methyl-5-heptene-2-one	12.051	0.06
7	$\beta$ -Myrcene	12.243	2.13
8	$\alpha$ -Phellandrene	12.852	0.03
9	$\delta$ 3-carene	13.192	0.58
10	$\alpha$ -Terpinene	13.662	0.03
11	p-Cymene	14.207	0.04
12	Limonene	14.449	1.68
13	(Z)- $\beta$ -Ocimene	15.401	0.88
14	(E)- $\beta$ -Ocimene	16.105	2.21
15	$\gamma$ -Terpinene	16.641	0.04
16	cis-Linalool oxide	17.716	0.04
17	$\alpha$ -Terpinolene	18.787	0.36
18	Linalool	20.294	25.88
19	Hotrienol	20.42	0.03
20	cis-para-Menth-2-en-1-ol	21.286	0.04
21	Allo-Ocimene	22.238	0.07
22	(E)-p-Mentha-2-en-1-ol	22.825	0.03
23	Citronellal	24.257	0.02
24	Lavandulol	25.357	0.03
25	$\alpha$ -Terpineol	25.732	0.24
26	$\alpha$ -Terpineol	27.031	5.1
27	Nerol	30.424	1.13
28	Citronellol	30.783	0.05
29	Neral	31.368	0.08
30	Geraniol + Linalyl acetate	33.306	50
31	Citral	33.967	0.16
32	Lavandulol acetate	35.936	0.12
33	$\delta$ -Elemene isomer	38.869	0.04
34	Linalyl propionate	39.565	0.03
35	$\alpha$ -Terpinyl acetate	40.156	0.09
36	Citronellol acetate	40.982	0.05
37	Neryl acetate	41.864	2.08
38	Geranyl acetate	43.487	3.72
39	$\beta$ -Caryophyllene	45.063	0.83
40	Aromadendrene	46.565	0.01
41	$\alpha$ -Humulene	47.685	0.07
42	(E)- $\beta$ -Farnesene	48.946	0.12
43	Germacrene D	49.906	0.02
44	Bicyclogermacrene	51.117	0.17
45	$\alpha$ -Muurolene	51.687	0.01

46	$\delta$ -Cadinene	53.455	0.03
47	Spathulenol	56.917	0.06
48	Caryophyllene oxide	57.053	0.02
49	Globulol	57.327	0.04
50	Triethyl citrate	63.225	0.07
51	unknown	64.487	0.01
52	m-Camphorene	67.457	0.01
53	p-Camphorene	67.779	0.01
	<b>Total identified</b>		<b>99.99%</b>



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