



Jade Bloom

Health, Healing, & Happiness®

Date: August 10, 2022

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Juniper Berry - JB2100-781623

Type: Essential oil

Source: Juniperus communis

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: August 9, 2022

Physical aspect: Faintly yellow liquid

CONCLUSION

No adulterant or contaminant has been detected using this method.

Peak	Compound	RT	Area Sum %
1	unknown	7.947	0.01
2	Tricyclene	8.268	0.11
3	α -Thujene	8.599	0.71
4	α -Pinene	8.978	49.3
5	Camphene	9.537	0.62
6	Thuja-2,4(10)-diene	9.877	0.01
7	unknown	10.493	0.01
8	Sabinene	11.061	8.09
9	β -Pinene	11.112	9.04
10	Camphene isomer	11.534	0.23
11	Myrcene	12.247	8.48
12	2,7-Dimethyl-2,6-octadiene	12.398	0.12
13	α -Phellandrene	12.752	0.77
14	δ 3-carene	13.152	0.12
15	α -Terpinene	13.608	0.01
16	p-Cymene	14.168	3.97
17	Limonene	14.442	6.14
18	(Z)- β -Ocimene	15.359	0.01
19	(E)- β -Ocimene	16.042	0.01
20	γ -Terpinene	16.577	0.53
21	cis-Sabinene hydrate	17.169	0.01
22	Terpinolene	18.718	0.28
23	trans-Sabinene hydrate	19.252	0.08
24	Verbenol analog	19.905	0.15
25	trans-2,8-p-Mentha-dien-1-ol	21.112	0.05
26	α -Campholenal	21.651	0.02
27	trans-Pinocarveol	22.372	0.07
28	trans-Verbenol	23.043	0.09
29	Borneol	24.628	0.02
30	Terpinen-4-ol	25.662	2.46
31	p-Cymen-8-ol	26.496	0.06
32	α -Terpinol	26.827	0.08
33	Myrtenal	27.092	0.02
34	Myrtenol	27.265	0.04
35	trans-Piperitol	28.187	0.03
36	cis-Carveol	29.276	0.02
37	unknown	30.647	0.01
38	unknown	31.792	0.05
39	Methyl citronellate	33.267	0.01
40	Bornyl acetate	34.741	0.06
41	unknown	38.857	0.03
42	α -Longipinene	39.412	0.03
43	α -Cubebene	39.815	0.03
44	Eugenol	40.852	0.02
45	α -Ylangene	41.391	0.02

46	α -Copaene	41.716	0.08
47	unknown	42.617	0.02
48	β -Cubebene	43.008	0.02
49	β -Elemene	43.211	0.09
50	Longifolene	43.59	0.5
51	β -Caryophyllene	45	3.68
52	cis-Thujopsene	45.713	0.03
53	γ -Elemene	46.482	0.02
54	α -Humulene	47.597	0.41
55	Aromadendrene	48.127	0.01
56	trans-Cadina-1(6),4-diene	49.452	0.01
57	γ -Muurolene	49.742	0.04
58	Germacrene D	49.822	0.34
59	unknown	50.122	0.02
60	unknown	50.872	0.04
61	β -Alaskene	50.982	0.01
62	α -Muurolene	51.627	0.05
63	γ -Cadinene	52.482	0.05
64	trans-Calamenene	53.222	0.12
65	δ -Cadinene	53.378	0.35
66	unknown	53.859	0.02
67	Caryophyllene oxide isomer	55.111	0.16
68	Caryophyllenyl alcohol	56.261	0.05
69	Caryophyllene oxide	57.239	1.28
70	α -Cedrol	58.358	0.12
71	unknown	58.802	0.05
72	Humulene epoxide II	59.162	0.11
73	unknown	59.68	0.05
74	τ -Cadinol	61.755	0.01
75	unknown	62.45	0.02
76	m-Camphorene	67.458	0.1
77	p-Camphorene	67.777	0.04
78	unknown	68.292	0.05
	Total identified		99.62%

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