



Jade Bloom

Health, Healing, & Happiness®

Date: September 2, 2022

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Peppermint - JB2253-591922

Type: Essential oil

Source: Mentha x piperita

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.

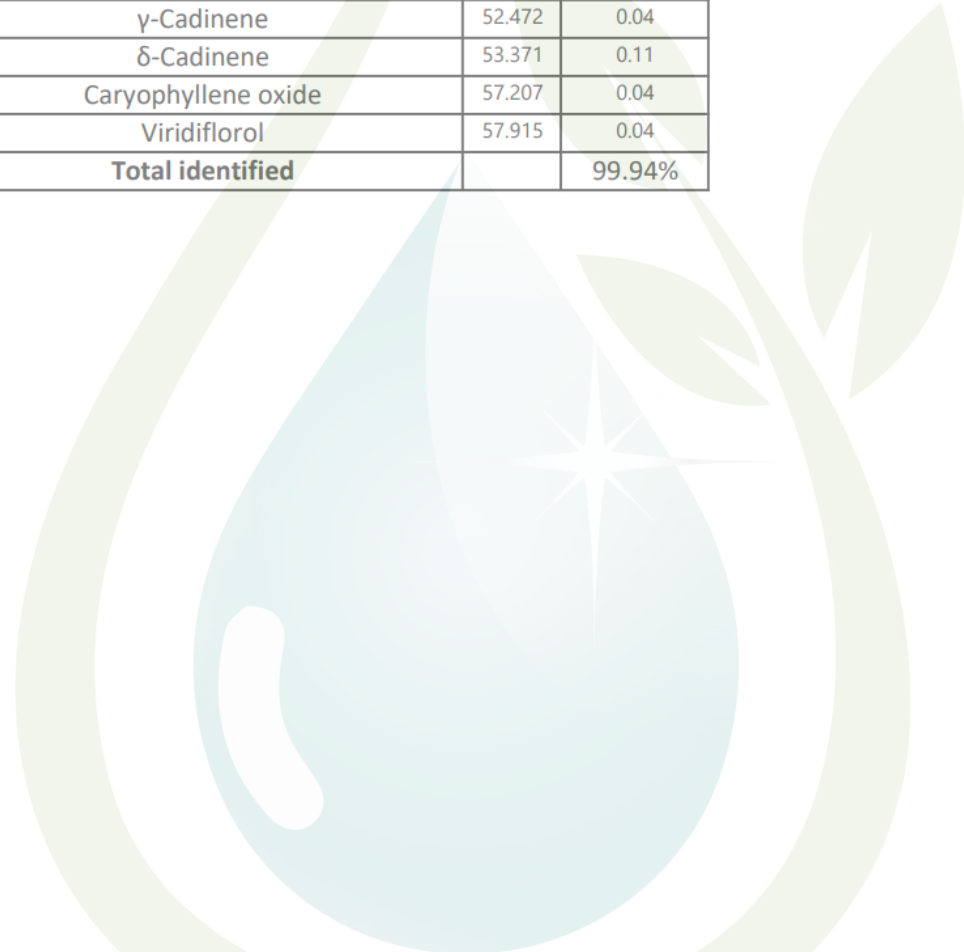
Analysis date: August 2022

Physical aspect: Colorless liquid

CONCLUSION

No adulterant or contaminant has been detected in this oil.

Peak	Compound	RT	Area Sum %
1	cis-2-Hexenol	7.281	0.03
2	α -Thujene	8.583	0.02
3	α -Pinene	8.835	0.83
4	cis-3-Methylcyclohexanol	9.337	0.03
5	Camphene	9.531	0.02
6	3-Methylcyclohexanone	9.632	0.15
7	Sabinene + β -Pinene	11.036	1.51
8	1-Octen-3-ol	11.972	0.02
9	β -Myrcene	12.19	0.34
10	3-Octanol	12.515	0.39
11	α -Phellandrene	12.747	0.03
12	α -Terpinene	13.604	0.09
13	p-Cymene	14.143	0.07
14	Limonene	14.402	2.61
15	1,8-Cineole	14.482	1.48
16	(Z)- β -Ocimene	15.347	0.06
17	(E)- β -Ocimene	16.038	0.05
18	γ -Terpinene	16.572	0.16
19	cis-Sabinene hydrate	17.112	0.21
20	cis-Linalool oxide	17.629	0.01
21	Octanol	17.87	0.09
22	α -Terpinolene	18.717	0.11
23	p-Cymenene	18.802	0.01
24	trans-Sabinene hydrate	19.451	0.03
25	Linalool	19.912	0.26
26	Amyl isovalerate	20.319	0.02
27	unknown	21.23	0.06
28	Isopulegol	23.094	1.35
29	Menthone	23.968	21.65
30	Menthofuran	24.572	1.22
31	Isomenthone	24.685	8.1
32	Neo-Menthol	24.852	4.66
33	Menthol	25.924	42.31
34	Isomenthol	26.311	0.89
35	Neoisomenthol	26.831	0.15
36	α -Terpineol	26.932	0.37
37	Dihydrocarveol	27.357	0.02
38	Pulegone	30.732	1.1
39	Carvone	31.201	0.06
40	Piperitenone	31.928	1.01
41	neo-Menthyl acetate	34.084	0.08
42	Decanol	34.22	0.14
43	Dihydroedulan I	34.604	0.04
44	Dihydroedulan II	35.05	0.01
45	Menthyl acetate	35.725	4.52



46	Isomenthyl acetate	36.612	0.06
47	Bicycloelemenene	38.771	0.08
48	α -Copaene	41.877	0.13
49	β -Bourbonene	42.332	0.28
50	β -Elemene	43.215	0.09
51	β -Caryophyllene	44.967	1.52
52	β -Copaene	45.807	0.08
53	Isogermacrene D	47.002	0.05
54	α -Humulene	47.623	0.21
55	(E)- β -Farnesene	48.867	0.07
56	Germacrene D	49.822	0.51
57	Bicyclogermacrene	50.997	0.25
58	α -Murolene	51.595	0.03
59	γ -Cadinene	52.472	0.04
60	δ -Cadinene	53.371	0.11
61	Caryophyllene oxide	57.207	0.04
62	Viridiflorol	57.915	0.04
	Total identified		99.94%

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