



Jade Bloom

Health, Healing, & Happiness®

Date: September 15th, 2020

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Lemon - 200527235

Type: Essential oil

Source: Citrus Limon

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: September 14th, 2020

Physical aspect: yellow liquid

CONCLUSION

No adulterant, contaminant or diluent has been detected using this method. This oil nearly complies with

Peak	Compound	RT	Area Sum %
1	α -Thujene	8.986	0.4
2	α -Pinene	9.26	1.9
3	Camphene	9.986	0.06
4	Sabinene + β -Pinene	11.639	15.01
5	β -Myrcene	12.772	1.47
6	α -Phellandrene	13.387	0.04
7	Octanal	13.572	0.08
8	α -Terpinene	14.233	0.21
9	p-Cymene	14.905	0.12
10	Limonene	15.372	66.62
11	(E)- β -Ocimene	16.034	0.04
12	(Z)- β -Ocimene	16.726	0.1
13	γ -Terpinene	17.353	8.57
14	cis-Sabinene hydrate	17.846	0.04
15	Octanol	18.613	0.01
16	α -Terpinolene	19.431	0.38
17	trans-Sabinene hydrate	20.177	0.03
18	Linalool	20.626	0.1
19	Nonanal	21.013	0.11
20	trans-p-2,8-Menthadien-1-ol	21.992	0.01
21	cis-Limonene oxide	22.979	0.01
22	trans-Limonene oxide	23.376	0.01
23	Camphor	23.581	0.01
24	Citronellal	24.926	0.06
25	Terpinen-4-ol	26.437	0.03
26	α -Terpineol	27.609	0.2
27	Decanal	29.323	0.05
28	Nerol	31.072	0.03
29	Neral	32.042	0.76
30	Geraniol	33.477	0.03
31	Perilla aldehyde	34.347	0.02
32	Geranial	34.625	1.21
33	Citronellyl acetate	41.691	0.02
34	Neryl acetate	42.562	0.46
35	Geranyl acetate	44.149	0.22
36	β -Caryophyllene	45.787	0.2
37	cis- α -Bergamotene	45.968	0.04
38	trans- α -Bergamotene	47.59	0.37
39	α -Humulene	48.422	0.02
40	β -Santalene	49.395	0.02
41	(E)- β -Farnesene	49.687	0.03

42	unknown	51.281	0.03
43	Valencene	51.632	0.02
44	Bicyclogermacrene	51.878	0.05
45	cis- α -Bisabolene	53.014	0.04
46	β -Bisabolene	53.367	0.54
47	unknown	62.888	0.01
48	unknown	63.359	0.01
49	α -Bisabolol	63.87	0.02
50	Citropten	67.823	0.05
51	unknown	71.39	0.02
52	unknown	71.737	0.04
53	unknown	71.842	0.02
54	unknown	72.528	0.02
55	unknown	72.958	0.02
	Total identified		99.85%



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