



Jade Bloom

Health, Healing, & Happiness®

Date: October 18, 2021

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Ylang Ylang - JB2167-571972

Type: Essential oil

Source: Cananga odorata var. genuina (Ylang-ylang)

Country of Origin: Madagascar

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 2, 2021

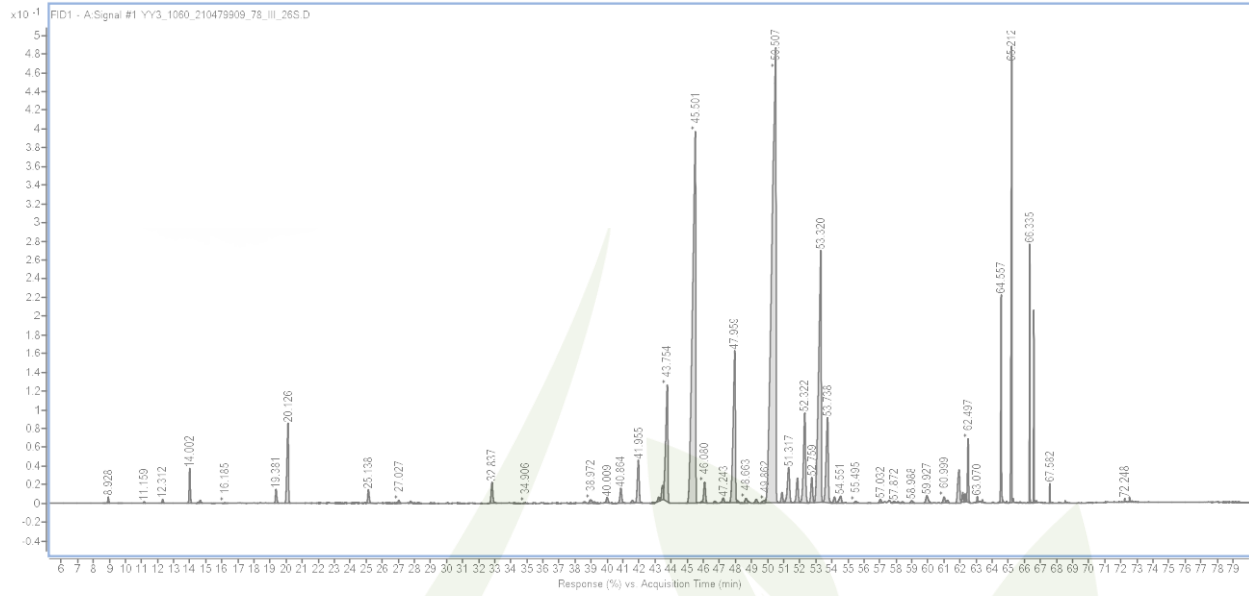
Physical aspect: Clear liquid

CONCLUSION

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

Peak	Compound	RT	Area Sum %
1	Prenyl acetate	8.716	0.01
2	α -Pinene	8.928	0.09
3	Camphene	9.634	0.01
4	Sabinene + β -Pinene	11.159	0.02
5	β -Myrcene	12.312	0.06
6	p-Methylanisole	14.002	0.61
7	Limonene	14.532	0.02
8	1,8-Cineole	14.655	0.06
9	(Z)- β -Ocimene	15.491	0.01
10	(E)- β -Ocimene	16.185	0.02
11	Methyl benzoate	19.381	0.29
12	Linalool	20.126	1.96
13	Benzyl acetate	25.138	0.31
14	Ethyl benzoate	25.455	0.01
15	α -Terpineol	27.027	0.07
16	Anethole	27.767	0.05
17	Geraniol	32.837	0.55
18	E-Anethole	34.906	0.02
19	unknown	38.598	0.04
20	δ -Elemene	38.972	0.13
21	unknown	39.215	0.05
22	α -Cubebene	40.009	0.14
23	Eugenol	40.864	0.42
24	α -Ylangene	41.58	0.09
25	α -Copaene	41.955	1.23
26	unknown	42.857	0.04
27	unknown	43.217	0.1
28	β -Cubebene	43.452	0.38
29	Geranyl acetate	43.754	4.02
30	β -Caryophyllene	45.501	18.66
31	γ -Maaliene	45.943	0.03
32	β -Copaene	46.08	0.58
33	Heptyl tiglate	46.722	0.06
34	Isogermacrene D	47.243	0.14
35	unknown	47.512	0.02
36	α -Humulene + (E)-Cinnamyl acetate	47.959	5.37
37	unknown	48.137	0.05
38	Alloaromadendrene	48.388	0.02
39	unknown	48.663	0.16
40	(E)- β -Famesene	49.301	0.12
41	trans-Cadina-1(6),4-diene	49.862	0.1
42	Germacrene D	50.507	29.77
43	unknown	50.9	0.25
44	γ -Amorphene	51.317	1.25
45	α -Muurolene	51.86	0.72

46	(3Z,6E)- α -Farnesene	52.322	2.99
47	γ -Cadinene	52.759	0.69
48	(3E,6E)- α -Farnesene	53.32	10.57
49	δ -Cadinene	53.738	2.94
50	cis-Calamenene	54.17	0.16
51	α -Cadinene	54.551	0.24
52	α -Elemol	55.495	0.05
53	unknown	56.34	0.02
54	Caryophyllene oxide	57.032	0.09
55	unknown	57.872	0.05
56	Viridiflorol	58.125	0.03
57	unknown	58.402	0.04
58	Guaiol	58.988	0.08
59	Junenol	59.927	0.29
60	10-Di-epi-Cubenol	60.999	0.17
61	1-epi-Cubenol	61.207	0.07
62	τ -Cadinol	61.932	1.08
63	Cubenol	62.166	0.18
64	α -Muurolol	62.317	0.15
65	tau.-Muurolol	62.497	1.09
66	unknown	63.07	0.08
67	(2E,6E)-Farnesol	64.557	2.25
68	Benzyl benzoate	65.212	5.34
69	(2E,6E)-Farnesyl acetate	66.335	1.74
70	Benzyl salicylate	66.592	1.39
71	Geranyl benzoate	67.582	0.12
72	unknown	72.248	0.02
	Total identified		99.13%



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