



Jade Bloom

Health, Healing, & Happiness®

Date: December 16th, 2020

CERTIFICATE OF ANALYSIS - GC PROFILING

Sample identification: Orange – JB2045-918381

Type: Essential oil

Source: Citrus Sinensis

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: December 15th, 2020

Physical aspect: yellow liquid

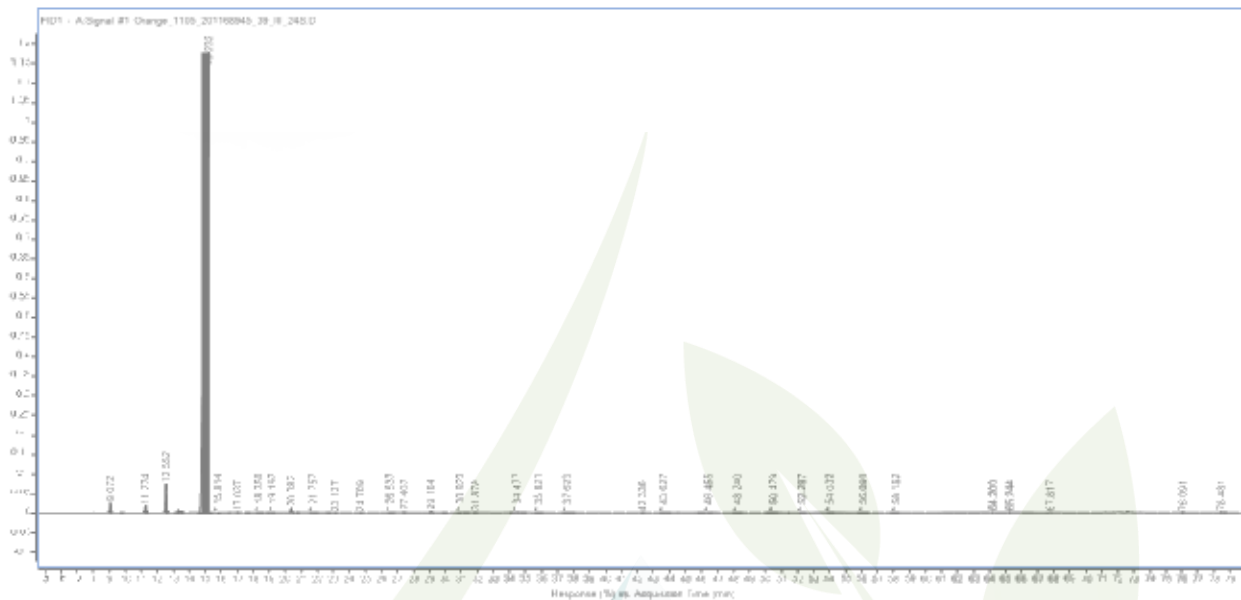
CONCLUSION

No adulterant, contaminant or diluent has been detected using this method.

Peak	Compound	RT	Area Sum %
1	α -Pinene	9.072	0.68
2	Camphene	9.802	0.01
3	Sabinene + β -Pinene	11.274	0.59
4	β -Myrcene	12.552	2.41
5	α -Phellandrene	13.17	0.04
6	Octanal	13.333	0.24
7	δ 3-carene	13.522	0.09
8	Limonene	15.232	94.18
9	(Z)- β -Ocimene	15.814	0.01
10	(E)- β -Ocimene	16.496	0.02
11	γ -Terpinene	17.037	0.03
12	cis-Sabinene hydrate	17.633	0.02
13	Octanol	18.35	0.05
14	Isoterpinolene	19.054	0.01
15	α -Terpinolene	19.197	0.03
16	Linalool	20.382	0.46
17	Nonanal	20.792	0.05
18	trans-2,8-p-Mentha-dien-1-ol	21.757	0.02
19	cis-Limonene oxide	22.759	0.01
20	trans-Limonene oxide	23.137	0.01
21	Citronellal	24.709	0.03
22	Terpinen-4-ol	26.537	0.01
23	α -Terpineol	27.407	0.09
24	Decanal	29.104	0.2
25	trans-Carveol	29.902	0.01
26	Nerol	30.923	0.01
27	Citronellol	31.188	0.01
28	Neral	31.878	0.07
29	Perilla aldehyde	34.186	0.03
30	Geranial	34.477	0.09
31	Perilla alcohol	34.687	0.02
32	Perilla alcohol	35.821	0.02
33	Undecanal	37.623	0.02
34	α -Copaene	42.336	0.02
35	β -Cubebene	43.627	0.02
36	β -Elemene	43.847	0.02
37	Dodecanal	45.977	0.03
38	β -Copaene	46.455	0.03
39	α -Humulene	48.24	0.01
40	Germacrene D	50.479	0.03
41	unknown	52.297	0.01
42	δ -Cadinene	54.032	0.04

43	α -Elemol	56.091	0.02
44	Caryophyllene oxide	58.162	0.01
45	β -Sinensal	64.2	0.03
46	α -Sinensal	65.244	0.02
47	Citropten	67.817	0.03
48	unknown	76.013	0.01
49	unknown	76.091	0.03
50	unknown	78.481	0.05
51	unknown	78.708	0.03
	Total identified		99.87%





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