



Jade Bloom

Certified GC-MS Report Prepared By Dr. Hussam Bdour

GC-MS Profiling Analysis Prepared for Jade Bloom, Inc

Date: October 12, 2018

Sample: Frankincense Carterii

Type: Essential Oil

Source: *Boswellia Carterii*

Batch: 13718

Peak	Compound	RT	Area Sum %
1	unknown	9.065	0.12
2	Tricyclene	9.193	0.1
3	α -Thujene	9.559	10.62
4	α -Pinene	9.861	34.42
5	Camphene	10.577	1.66
6	Thuja-2,4(10)-diene	10.943	0.29
7	unknown	11.468	0.04
8	unknown	11.914	0.11
9	Sabinene	12.136	5.85
10	β -Pinene	12.216	3.18
11	unknown	12.725	0.11
12	unknown	13.25	0.07
13	β -Myrcene	13.441	3.99
14	α -Phellandrene	14.062	2.48
15	δ 3-carene	14.444	1.34
16	α -Terpinene	14.921	0.62
17	p-Cymene	15.478	5.87
18	Limonene	15.764	20.61
19	unknown	16.019	0.39
20	unknown	16.464	0.02
21	(Z)- β -Ocimene	16.735	0.06
22	unknown	17.244	0.02
23	(E)- β -Ocimene	17.451	0.02
24	γ -Terpinene	18.008	0.46
25	cis-Sabinene hydrate	18.597	0.01
26	cis-p-Mentha-2,8-dien-1-ol	18.947	0.03
27	α -Terpinolene	20.22	0.36
28	Linalool	21.429	0.07
29	unknown	22.049	0.01
30	unknown	22.352	0.03
31	unknown	22.765	0.03
32	α -Campholenal	23.147	0.08
33	unknown	23.768	0.07
34	Pinocarveol<trans->	23.927	0.17
35	trans-para-Mentha-2-en-1-ol	24.325	0.03
36	trans-Verbenol	24.611	0.04
37	α -Phellandrene-8-ol analog	24.914	0.09
38	α -Phellandrene-8-ol	26.505	0.14
39	Terpinen-4-ol	27.221	0.37
40	p-Cymen-8-ol	28.08	0.06
41	α -Terpineol	28.43	0.12
42	unknown	28.717	0.08
43	E-Anethole	29.162	0.17

44	Verbenone	29.799	0.19
45	Octyl acetate	30.865	0.22
46	Methyl decyl ether	32.074	1.58
47	Bornyl acetate	36.386	0.11
48	α -Cubebene	41.462	0.06
49	α -Copaene	43.403	0.27
50	β -Bourbonene	44.024	0.18
51	β -Elemene	44.883	0.13
52	β -Caryophyllene	46.665	1.44
53	trans- α -Bergamotene	48.432	0.21
54	6,9-Guaiadiene	48.782	0.03
55	α -Humulene	49.307	0.19
56	Alloaromadendrene	49.864	0.03
57	γ -Muurolene	51.407	0.06
58	Germacrene D	51.487	0.01
59	β -Selinene	51.837	0.03
60	α -Selinene	52.648	0.07
61	α -Muurolene	53.285	0.04
62	γ -Cadinene	54.176	0.1
63	δ -Cadinene	55.051	0.23
64	Dihydroagarofuran	56.976	0.06
65	Caryophyllene oxide	58.965	0.06
66	Viridiflorol	59.634	0.08
67	Junenol	61.432	0.06
68	τ -Cadinol	62.752	0.06
69	unknown	65.935	0.01
70	m-Camphorene	67.701	0.01
71	unknown	67.812	0.02
72	unknown	68.274	0.02
73	unknown	69.419	0.05

