



# Jade Bloom

Certified GC-MS Report Prepared By Dr. Hussam Bdour

## GC-MS Profiling Analysis Prepared for Jade Bloom, Inc

**Date:** November 30, 2018

**Sample:** Peppermint

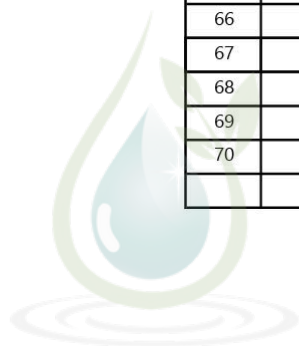
**Type:** Essential Oil

**Source:** *Mentha piperita*

**Batch:** 180871262

Peak	Compound	RT	Area Sum %
1	cis-2-Hexenol	8.118	0.04
2	$\alpha$ -Thujene	9.557	0.05
3	$\alpha$ -Pinene	9.836	0.85
4	unknown	10.367	0.04
5	Camphene	10.591	0.06
6	3-Methylcyclohexanone	10.726	0.03
7	Thuja-2,4(10)-diene	10.945	0.03
8	Sabinene	12.137	0.32
9	$\beta$ -Pinene	12.215	1.21
10	1-Octen-3-ol	12.771	0.08
11	6-Methyl-5-heptene-2-one	13.195	0.07
12	$\beta$ -Myrcene	13.436	0.41
13	3-Octanol	13.784	0.13
14	$\alpha$ -Phellandrene	14.033	0.13
15	$\delta$ -carene	14.441	0.05
16	$\alpha$ -Terpinene	14.925	0.13
17	1-p-Menthene	15.207	0.03
18	p-Cymene	15.482	0.22
19	Limonene	15.742	2.38
20	1,8-Cineole	15.837	5.8
21	(Z)- $\beta$ -Ocimene	16.724	0.09
22	(E)- $\beta$ -Ocimene	17.443	0.06
23	$\gamma$ -Terpinene	18.004	0.19
24	cis-Sabinene hydrate	18.561	0.18
25	Octanol	19.304	0.06
26	$\alpha$ -Terpinolene	20.217	0.15
27	trans-Sabinene hydrate	20.922	0.06
28	Linalool	21.379	0.09
29	Amyl isovalerate	21.793	0.04
30	cis-para-Menth-2-en-1-ol	22.732	0.05
31	3-Octyl acetate	23.634	0.02
32	trans-Pinocarveol	23.878	0.03
33	cis-p-Mentha-2,8-dien-1-ol	24.369	0.03
34	Isopulegol	24.617	0.07
35	Menthone	25.356	23.29
36	Isomenthone	26.121*	5.72
37	Menthofuran	26.121*	[5.72]
38	Neo-Menthol	26.282	4.42
39	Menthol	27.076	38.92
40	Terpinen-4-ol	27.249	0.5
41	Isomenthol	27.739	0.72
42	$\alpha$ -Terpineol	28.409	0.5
43	Pulegone	32.321	0.82
44	Carvone	32.777	0.06
45	Piperitenone	33.547	0.18

46	neo-Menthyl acetate	35.669	0.37
47	Dihydroedulan I	36.24	0.07
48	Dihydroedulan II	36.675	0.06
49	Menthyl acetate	37.271	5.96
50	Isomenthyl acetate	38.225	0.2
51	Bicycloelemenene	40.406	0.07
52	$\alpha$ -Cubebene	41.447	0.11
53	$\alpha$ -Copaene	43.401	0.15
54	unknown	43.573	0.08
55	$\beta$ -Bourbonene	43.99	0.12
56	$\beta$ -Elemene	44.88	0.11
57	unknown	45.22	0.11
58	Isocaryophyllene	45.752	0.14
59	unknown	46.093	0.17
60	$\beta$ -Caryophyllene	46.647	2.98
61	unknown	47.355	0.12
62	unknown	47.752	0.03
63	$\alpha$ -Humulene	49.293	0.17
64	(E)- $\beta$ -Famesene	50.464	0.08
65	Germacrene D	51.512	0.31
66	Bicyclgermacrene	52.695	0.09
67	$\alpha$ -Muurolene	52.985	0.04
68	$\delta$ -Cadinene	55.033	0.05
69	Caryophyllene oxide	58.937	0.07
70	Viridiflorol	59.643	0.04
	Total identified		99.45%



HEALTH, HEALING & HAPPINESS

FID1 - A:Signal #1 Peppermint\_10000\_071819836\_41\_28.D

