



# Jade Bloom

Certified GC-MS Report Prepared By Dr. Hussam Bdour

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

**Date:** September 20, 2018

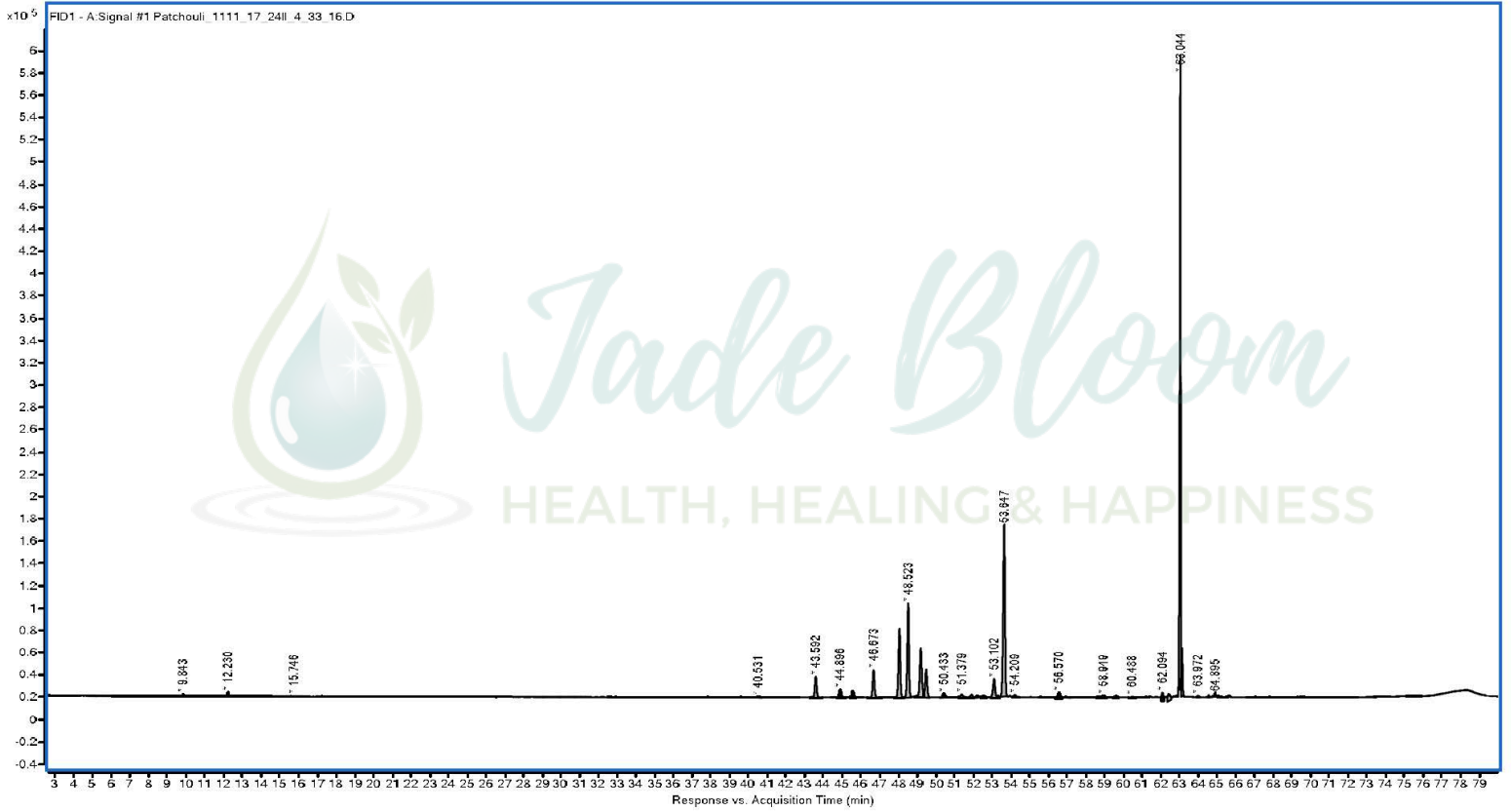
**Sample:** Patchouli

**Type:** Essential Oil

**Source:** *Pogostemon patchouli*

**Batch:** 17-2411

Peak	Compound	RT	Area Sum %
1	$\alpha$ -Pinene	9.843	0.16
2	$\beta$ -Pinene	12.23	0.3
3	Limonene	15.746	0.09
4	$\delta$ -Elemene	40.531	0.15
5	$\beta$ -Patchoulene	43.592	2.42
6	$\beta$ -Elemene	44.896	1.09
7	Cycloseychellene	45.563	0.8
8	$\beta$ -Caryophyllene	46.673	3.15
9	Seychellene	48.052	7.42
10	$\alpha$ -Guaiene	48.523	9.49
11	$\alpha$ -Patchoulene	49.195	6.05
12	$\gamma$ -Patchoulene	49.485	3.21
13	9-epi- $\beta$ -Caryophyllene	50.433	0.48
14	$\gamma$ -Gurjunene	50.593	0.05
15	$\alpha$ -Bulnesene	51.379	0.6
16	$\beta$ -Selinene	51.902	0.49
17	unknown	52.218	0.27
18	Valencene	52.518	0.34
19	Aciphyllene	53.102	2.52
20	$\delta$ -Guaiene	53.647	18.21
21	Selina-3,7(11)-diene	54.209	0.37
22	Norpatchoulenol	56.57	0.77
23	Germacrene B	56.937	0.11
24	Isoaromadendrene epoxide	58.678	0.14
25	Caryophyllene oxide	58.949	0.35
26	Viridiflorol	59.613	0.21
27	unknown	60.488	0.15
28	1-epi-Cubenol	62.094	0.82
29	10-Di-epi-Cubeno	62.417	1.02
30	unknown	62.692	0.02
31	unknown	62.841	0.08
32	Patchouli alcohol	63.044	35.73
33	Pogostole	63.137	2.53
34	unknown	63.972	0.08
35	unknown	64.552	0.08
36	unknown	64.766	0.04
37	unknown	64.895	0.14
38	unknown	64.991	0.04
39	unknown	65.087	0.03
	<b>Total identified</b>		<b>99.07%</b>



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