



# Jade Bloom

Certified GC-MS Report Prepared By Dr. Hussam Bdour

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

Date: October 5, 2018

Sample: Kashmir Lavender

Type: Essential Oil

Source: *Lavandula angustifolia*

Batch: 180971850

Peak	Compound	RT	Area Sum %
1	Furfural	5.503	0.05
2	(2E)-Hexenal	6.474	0.05
3	cis-2-Hexenol	7.011	0.06
4	Tricyclene	9.182	0.02
5	$\alpha$ -Thujene	9.556	0.05
6	$\alpha$ -Pinene	9.837	0.08
7	Camphene	10.586	0.09
8	Sabinene	12.118	0.04
9	$\beta$ -Pinene	12.216	0.07
10	1-Octen-3-ol	12.721	0.24
11	3-Octanone	13.161	0.74
12	$\beta$ -Myrcene	13.427	0.33
13	3-Octanol	13.764	0.15
14	Butyl butylate	13.872	0.08
15	$\alpha$ -Phellandrene	13.998	0.07
16	$\delta$ <sup>3</sup> -carene	14.429	0.07
17	$\alpha$ -Terpinene	14.901	0.03
18	Hexyl acetate	15.105	0.13
19	o-Cymene	15.331	0.03
20	p-Cymene	15.462	0.13
21	Limonene	15.722	0.75
22	1,8-Cineole	15.828	1.13
23	(Z)- $\beta$ -Ocimene	16.705	2.49
24	(E)- $\beta$ -Ocimene	17.418	2
25	$\gamma$ -Terpinene	17.984	0.17
26	cis-Sabinene hydrate	18.538	0.09
27	cis-Linalool oxide	19.033	0.13
28	$\alpha$ -Terpinolene	20.178	0.38
29	Linalool	21.415	34.17
30	1-Octen-3-yl-acetate	22.631	0.73
31	Allo-Ocimene	23.612	0.2
32	cis-Limonene oxide	23.885	0.04
33	Camphor	24.315	0.37
34	Hexyl isobutyrate	25.538	0.08
35	Borneol	26.136	0.88
36	unknown	26.419	0.08
37	Lavandulol	26.761	0.33
38	Terpinen-4-ol	27.172	4.64
39	Cryptone	27.822	0.07
40	p-Cymen-8-ol	28.027	0.1
41	$\alpha$ -Terpineol	28.356	1.13
42	Hexyl butyrate	29.152	0.17
43	unknown	30.822	0.09
44	Bornyl formate	31.32	0.06
45	Nerol	31.782	0.15

46	Hexyl isovalerate	32.318	0.07
47	Carvone	32.839	0.11
48	Hexyl isovalerate	33.247	0.24
49	Linalyl acetate	34.389	33.33
50	unknown	35.24	0.08
51	Bornyl acetate	36.332	0.1
52	Lavandulyl acetate	37.367	3.44
53	Hexyl tiglate	40.523	0.21
54	unknown	41.295	0.09
55	unknown	42.22	0.11
56	unknown	42.506	0.11
57	Neryl acetate	43.287	0.76
58	7-Cubebene	43.723	0.14
59	$\beta$ -Bourbonene	43.977	0.12
60	Geranyl acetate	44.874*	1.22
61	Hexyl hexanoate	44.874*	[1.22]
62	7-epi-Sesquithujene	46.234	0.12
63	$\beta$ -Caryophyllene	46.607	3.96
64	$\alpha$ -Santalene	47.043	0.32
65	trans- $\alpha$ -Bergamotene	48.358	0.16
66	Sesquisabinene A	49.003	0.1
67	$\alpha$ -Humulene	49.255	0.16
68	Lavandulyl butyrate	50.084	0.11
69	(E)- $\beta$ -Farnesene	50.443	0.59
70	Germacrene D	51.47	0.41
71	trans- $\beta$ -Bergamotene	52.047	0.08
72	$\beta$ -Bisabolene	52.702	0.11
73	$\gamma$ -Cadinene	54.11	0.23
74	unknown	54.695	0.16
75	Isoaryophyllene epoxide B	56.73	0.03
76	Caryophyllene oxide	58.882	0.13
77	$\tau$ -Cadinol	62.722	0.1
78	$\alpha$ -Bisabolol	64.047	0.08
79	unknown	75.253	0.11
	<b>Total identified</b>		<b>99.33%</b>

