Jade Bloom

Certified GC-MS Report Prepared By Dr. Hussam Bdour

GC-MS Profiling Analysis
Prepared for Jade Bloom, Inc

Date: March 14, 2018
Sample: Manuka
Type: Essential Oil
Source: *Leptospermum scoparium*
Batch: MI1051510

Manuka_12188_M11051510_10_5

Peak	Compound	RT	Area Sum %
1	α-Thujene	9.605	0.04
2	α-Pinene	9.885	1.2
3	Isopinocampheol	10.602	0.09
4	β-Pinene	12.278	0.25
5	β-Myrcene	13.488	0.27
6	(E)-3-Hexen-1-ol, acetate	14.702	0.06
7	α-Terpinene	14.975	0.04
8	p-Cymene	15.532	0.14
9	Limonene	15.79	0.14
10	1,8-Cineole	15.948	0.12
11	(E)-β-Ocimene	17.488	0.03
12	γ-Terpinene	18.055	0.14
13	α-Terpinolene	20.236	0.1
14	Linalool	21.439	0.07
15	unknown	21.624	0.05
16	Isopentyl isovalerate	22.077	0.07
17	Ethylundecyl pentanoate	22.273	0.06
18	Ipsenol	22.947	0.09
19	Terpinen-4-ol	27.292	0.05
20	α-Terpineol	28.496	0.07
21	iso-Amyl tiglate	29.311	0.19
22	Decanal<n->	30.107	0.05
23	2-Nonyn-1-ol	33.611	0.06
24	unknown	36.055	0.06
25	α-Cubebene	41.511	4.08
26	α-Ylangene	43.018	0.25
27	α-Copaene	43.44	2.86
28	β-Bourbonene	44.06	0.04
29	unknown	44.367	0.01
30	β-Elemene	44.928	2.65
31	unknown	45.407	0.05
32	α-Gurjunene	46.042	0.38
33	β-Caryophyllene	46.701	5.22
34	β-Cubebene	47.557	0.1
35	Aromandendrene	48.214	0.47
36	trans-α-Bergamotene	48.475	0.16
37	6,9-Guaiadiene	48.618	0.07
38	β-Guaiene	48.834	0.09

39	Cadina-3,5-diene	49.232	9.96
40	Alloaromadendrene	49.904	0.29
41	α-Amorphene	50.657	0.18
42	δ-Amorphene	51.167	5.72
43	γ-Muurolene	51.442	0.76
44	β-Selinene	51.883	8.25
45	δ-Guaiene	52.136	0.28
46	cis-Muurola-4(15),5-diene	52.314	1.45
47	α-Selinene	52.629	9.49
48	α-Muurolene	53.334	1.05
49	Cadina-3,9-diene	53.805	0.51
50	γ-Cadinene	54.221	0.64
51	(3E,6E)- α-Farnesene	54.497	0.38
52	trans-Calamenene	54.959	10.45
53	δ-Cadinene	55.107	6.43
54	Cadina-1,4-diene	55.592	5.23
55	α-Cadinene	55.982	0.21
56	α-Calacorene	56.287	0.61
57	Flavesone	56.867	1.07
58	γ-Selinene	57.83	0.08
59	Isospathulenol	58.71	0.13
60	Caryophyllene oxide	58.976	0.24
61	Globulol	59.124	0.12
62	Gleenol	59.599	0.12
63	Elemol acetate	59.947	0.06
64	Cubenol	60.492	0.31
65	Humulene oxide II	60.942	0.07
66	Neointermedeol	61.32	0.36
67	iso-Leptospermone	62.115	1.53
68	τ-Muurolol	62.237	1.52
69	γ-Eudesmol	62.372	1.29
70	Leptospermone	62.467	2.46
71	γ-Gurjunenepoxide-(2)	62.647	0.15
72	epi-Cubebol	62.807	1.3
73	β-Eudesmol	62.986	2.35
74	α-Eudesmol	63.102	3.8
75	unknown	63.772	0.08
76	Citronellyl tiglate	63.837	0.12

Sample Name	Manuka_M11051510_10_5	**Position**	5	**Instrument Name**	Intuvo GCMS
User Name		**Inj Vol**	1	**InjPosition**	
Sample Type		**IRM Calibration Status**	Not Applicable	**Data Filename**	Manuka_M11051510_10_5.D
ACQ Method	70min_1to1splitter.M	**Comment**		**Acquired Time**	3/14/2018 1:58:46 AM (UTC-07:00)