

GC-MS Profiling Analysis Prepared for Jade Bloom, Inc

Date: November 20, 2018

Sample: Turmeric

Type: Essential Oil

Source: *Curcuma longa*

Batch: 180974980

Peak	Compound	RT	Area Sum %
1	α -Pinene	9.877	0.11
2	Camphene	10.587	0.09
3	6-Methyl-5-heptene-2-one	13.272	0.05
4	β -Myrcene	13.47	0.14
5	α -Phellandrene	14.098	1.67
6	δ 3-carene	14.469	0.16
7	α -Terpinene	14.948	0.41
8	p-Cymene	15.505	1.79
9	Limonene	15.751	0.65
10	1,8-Cineole	15.881	1.18
11	γ -Terpinene	18.027	0.24
12	α -Terpinolene	20.228	1.73
13	Limona ketone	23.597	0.13
14	Camphor	24.415	0.06
15	Terpinen-4-ol	27.247	0.14
16	4-Methylacetophenone	27.821	0.16
17	p-Cymen-8-ol	28.073	0.12
18	α -Terpineol	28.433	0.18
19	unknown	29.273	0.27
20	Carvotanacetone	33.051	0.12
21	Thymol	37.432	0.09
22	Thymol analogue	38.119	0.09
23	unknown	43.398	0.17
24	unknown	43.883	0.07
25	unknown	44.058	0.25
26	unknown	45.442	0.57
27	unknown	45.929	0.24
28	β -Caryophyllene	46.661	1.92
29	α -Santalene	47.108	0.23
30	unknown	47.681	0.09
31	unknown	48.168	0.1
32	trans- α -Bergamotene	48.418	0.21
33	unknown	48.917	1.41
34	α -Humulene	49.285	0.51
35	unknown	49.387	0.3
36	β -Acoradiene	50.105	1.15
37	(E)- β -Famesene	50.539	0.38
38	unknown	51.688	1.03
39	β -Curcumene	51.902	2.79
40	Ar-Curcumene	52.182	8.42
41	Zingiberene	53.21	6.75
42	unknown	53.964	0.56
43	β -Bisabolene	54.179	1.89
44	unknown	54.432	0.72
45	β -Sesquiphellandrene	55.242	3.77

46	unknown	55.658	0.47
47	(E)- γ -Bisabolene	55.842	0.44
48	Selina-3,7(11)-diene	56.213	0.33
49	unknown	57.04	0.11
50	cis-Sesquisabinene hydrate	57.271	0.15
51	unknown	58.004	0.18
52	unknown	58.165	0.12
53	E-Nerolidol	58.465	0.32
54	Caryophyllene oxide	58.952	0.09
55	Caryophyllene oxide isomer	59.272	0.31
56	unknown	59.96	0.12
57	unknown	60.247	0.2
58	unknown	60.371	0.2
59	unknown	60.895	0.11
60	unknown	61.171	1.55
61	unknown	61.594	0.27
62	unknown	62.201	0.23
63	unknown	62.373	0.15
64	cis-Zingiberenol	62.625	0.06
65	trans-Zingiberenol	62.736	0.21
66	unknown	62.824	0.2
67	unknown	63.032	0.13
68	unknown	63.199	0.03
69	unknown	63.487	3.31
70	α R-Turmerone	63.685	23.48
71	Turmerone	63.773	14.22
72	β -Turmerone	64.472	6.25
73	(Z)- α -Atlantone	64.552	0.61
74	(E)-Atlantone	64.78	0.24
75	unknown	65.149	0.15
76	(6R,7R)-Bisabolone	65.265	0.35
77	unknown	65.402	0.1
78	unknown	65.586	0.29
79	(E)- α -Atlantone	65.7	1.19
80	unknown	65.957	0.2
81	unknown	66.045	0.15
82	unknown	66.127	0.03
83	unknown	66.195	0.04
84	unknown	66.267	0.02
85	unknown	66.817	0.03
86	unknown	67.021	0.07
87	unknown	67.238	0.02
88	unknown	67.278	0.02
89	unknown	67.486	0.07
	Total identified		

FID1 - A:Signal #1 Turmeric_11382_180974980_50_29.D

