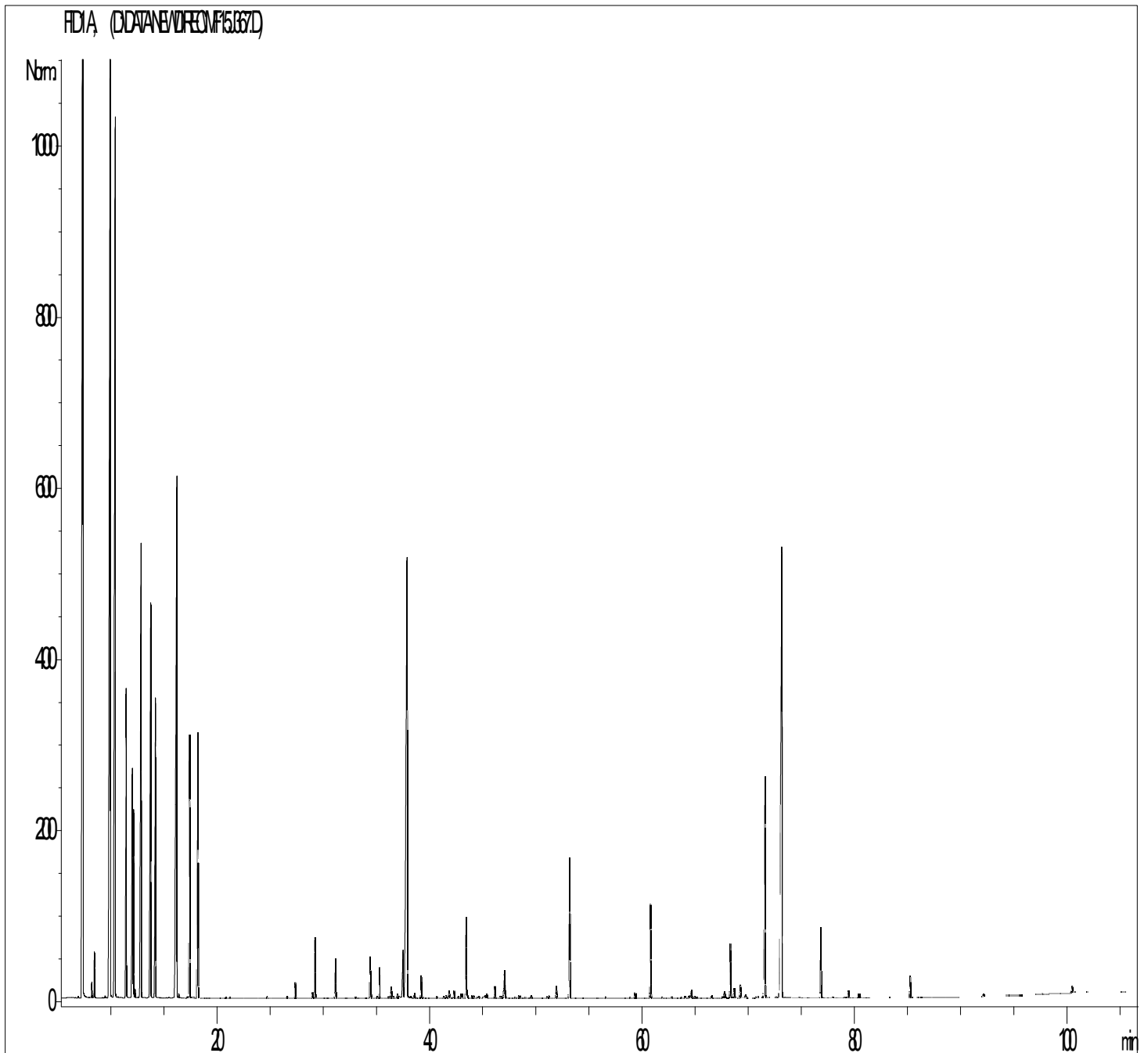


GCMS ANALYSIS

Product Name: Mace Essential Oil (Sri Lanka)  
Date: December 20, 2016



Product Name: Mace Essential Oil (Sri Lanka) Cont'd

Date: December 20, 2016

Peak	RT (min)	Compound name	%
1	6,9	TRICYCLENENE	0,01
2	7,3	<b>α-PINENE</b>	<b>17,70</b>
3	7,4	<b>α-THUYENE</b>	<b>2,98</b>
4	8,2	α-FENCHENE	0,08
5	8,4	CAMPHERE	0,26
6	9,4	TERPENE ISOMER	0,02
7	9,9	<b>β-PINENE</b>	<b>12,39</b>
8	10,4	<b>SABINENE</b>	<b>9,83</b>
9	10,6	PINADIENE	0,01
10	11,4	<b>Δ3-CARENE</b>	<b>2,38</b>
11	12,0	β-MYRCENE	2,07
12	12,1	α-PHELLANDRENE	1,08
13	12,3	ψ-LIMONENE	0,05
14	12,8	<b>α-TERPINENE</b>	<b>4,65</b>
15	13,7	<b>LIMONENE</b>	<b>4,13</b>
16	14,1	1,8-CINEOLE	0,13
17	14,2	<b>β-PHELLANDRENE</b>	<b>2,50</b>
18	15,4	Cis-β-OCIMENE	0,01
19	16,2	<b>γ-TERPINENE</b>	<b>7,75</b>
20	16,3	Trans-β-OCIMENE	0,02
21	17,2	m-CYMENE	0,01
22	17,4	<b>p-CYMENE</b>	<b>2,38</b>
23	18,2	<b>TERPINOLENE</b>	<b>2,75</b>
24	20,8	ADAMANTANOL Mw=152	0,01
25	21,2	6-METHYL-5-HEPTEN-2-ONE	0,01
26	24,7	MENTHATRIENE ISOMER	0,01
27	26,6	COMPOUND Mw=134	0,02
28	27,3	α,p-DIMETHYLSTYRENE	0,13
29	28,9	EPOXY-4,8-TERPINOLENE	0,05
30	29,1	Trans-THUYANOL	0,51
31	30,0	TERPENE ISOMER	0,01
32	31,1	α-COPAENE	0,38

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Product Name: Mace Essential Oil (Sri Lanka) Cont'd

Date: December 20, 2016

Peak	RT (min)	Compound	%
33	32,1	TERPENE ISOMER	0,01
34	32,9	TERPENE ISOMER	0,01
35	33,2	$\alpha$ -GURJUNENE	0,01
36	34,3	LINALOOL	0,36
37	34,4	Cis-THUYANOL	0,14
38	35,0	LINALYL ACETATE	0,01
39	35,2	Trans-p-MENTH-2-EN-1-OL	0,29
40	36,0	TERPINENE-1-OL	0,02
41	36,3	BORNYL ACETATE	0,11
42	36,5	FENCHOL	0,02
43	36,9	$\alpha$ -trans-BERGAMOTENE	0,04
44	37,1	$\beta$ -ELEMENE	0,02
45	37,3	BENZENE, 1-METHOXY-4-PENTYL Mw=178	0,01
46	37,5	$\beta$ -CARYOPHYLLENE	0,61
47	37,8	TERPINENE-4-OL	7,11
48	38,2	SESQUITERPENE	0,03
49	38,5	TERPINENE-4-YLE ACETATE	0,05
50	39,2	Cis-p-MENTH-2-EN-1-OL	0,20
51	40,6	Trans-PINOCARVEOL	0,01
52	41,3	CITRONELLYL ACETATE	0,02
53	41,5	E- $\square$ -FARNESENE	0,03
54	41,8	$\square$ -HUMULENE	0,08
55	42,2	Cis-PIPERITOL	0,08
56	42,7	SESQUITERPENE	0,01
57	42,9	$\gamma$ -MUUROLENE	0,04
58	43,4	$\alpha$ -TERPINEOL	0,84
59	43,5	BORNEOL	0,02
60	43,9	SESQUITERPENE	0,02
61	44,2	GERMACRENE D	0,03
62	44,5	SESQUITERPENE	0,02
63	44,6	SESQUITERPENE	0,03
64	44,9	COMPONENT Mw=152	0,02

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Product Name: Mace Essential Oil (Sri Lanka) Cont'd

Date: December 20, 2016

Peak	RT (min)	Compound	%
65	45,1	SESQUITERPENE	0,02
66	45,2	SESQUITERPENE	0,02
67	45,3	$\beta$ -BISABOLENE	0,05
68	46,2	Trans- PIPERITOL	0,11
69	46,7	$\alpha$ -FARNESENE	0,02
70	46,9	TERPENIC ACETATE	0,06
71	47,0	$\delta$ -CADINENE	0,28
72	47,1	$\gamma$ -CADINENE	0,01
73	48,0	FARNESENE ISOMER	0,01
74	48,4	CADINA-1,4-DIENE	0,03
75	48,9	NEROL	0,01
76	49,6	SABINOL ISOMER	0,02
77	51,0	Trans-CARVEOL	0,02
78	51,2	CALAMENENE	0,02
79	51,9	p-CYMENE-8-OL	0,12
80	53,2	SAFROLE	1,39
81	56,5	ALIPHATIC ALCOHOL	0,02
82	58,8	ALIPHATIC ESTER	0,01
83	59,3	CARYOPHYLLENE EPOXIDE	0,05
84	60,8	METHYLEUGENOL	0,86
85	62,8	MENTHADIENOL ISOMERE	0,01
86	63,6	SESQUITERPENOL	0,01
87	64,0	AROMATIC COMPONENT Mw=238	0,02
88	64,4	ELEMOL	0,03
89	64,6	Cis-1,4-DIHYDRO-p-MENTH-2-ENE	0,08
90	64,9	GUAJOL	0,01
	65,1	CUMINOL	0,01
	66,5	SPATHULENOL	0,02
91	67,6	COMPONENT Mw=127	0,01
92	67,8	Trans-1,4-DIHYDRO-p-MENTH-2-ENE	0,08
93	68,3	EUGENOL	0,53
94	68,6	$\gamma$ -EUDESMOL	0,09

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Product Name: Mace Essential Oil (Sri Lanka) Cont'd

Date: December 20, 2016

Peak	RT (min)	Compound	%
95	69,3	METHYLISOEUGENOL	0,13
96	69,7	SESQUITERPENIC OXIDE	0,03
97	70,7	ALIPHATIC ALCOHOL	0,01
98	70,9	CARVACROL	0,02
99	71,6	ELEMICINE	2,65
100	72,6	SESQUITERPENOL	0,01
101	72,8	EUGENYL ACETATE	0,02
102	73,1	MYRISTICINE	7,22
103	74,8	AROMATIC COMPONENT	0,01
104	76,8	ISOEUGENOL	0,70
105	78,0	MANOYL OXIDE	0,01
106	79,0	ALIPHATIC ESTER	0,01
107	79,4	Trans-ISOELEMICINE	0,06
108	80,4	AROMATIC COMPONENT	0,03
109	85,2	METHOXY EUGENOL	0,21
110	92,2	MYRISTIC ACID	0,02
111	100,4	PALMITIC ACID	0,07
		<b>TOTAL</b>	<b>99,86</b>

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