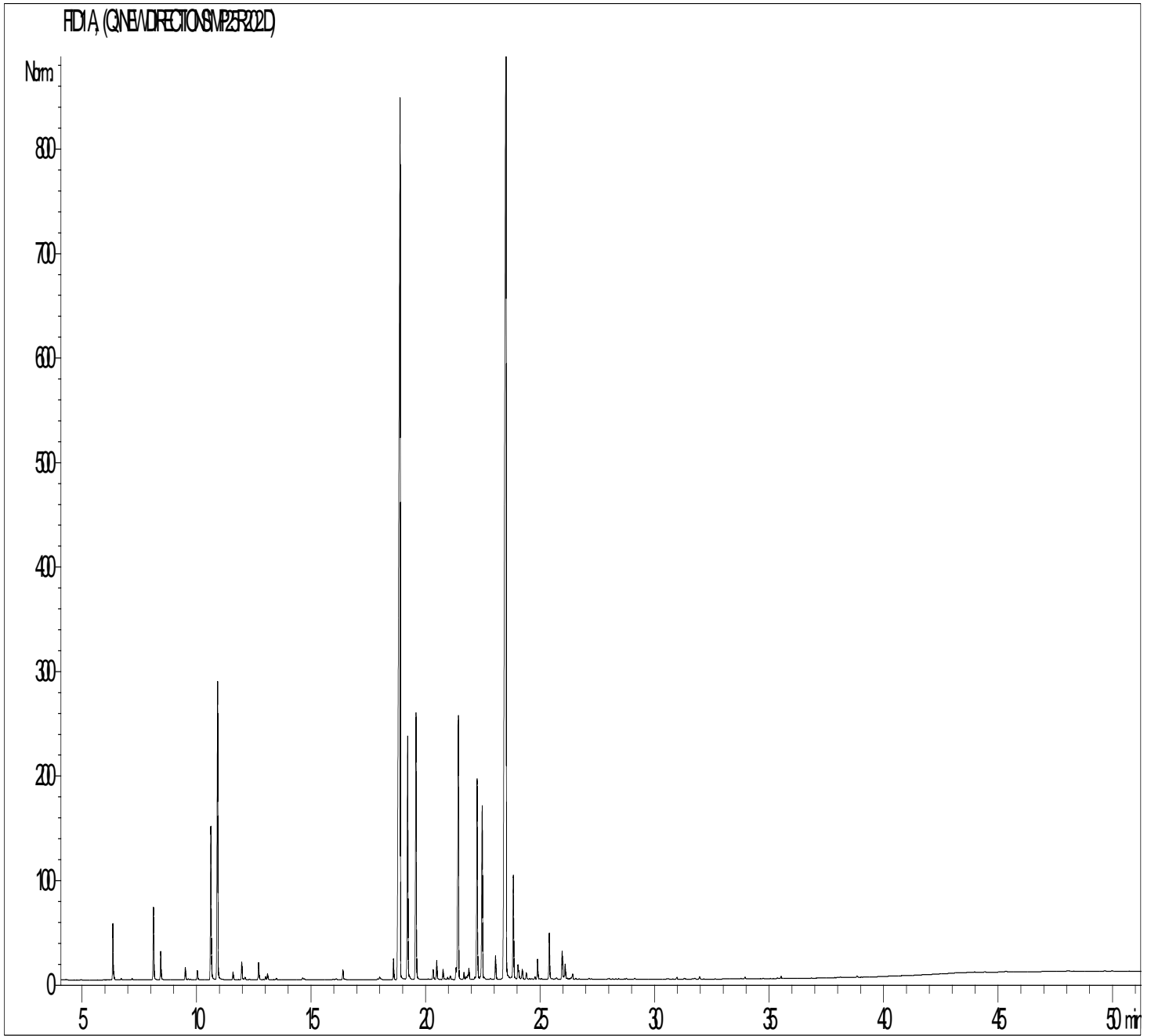




GCMS ANALYSIS

PRODUCT NAME: PEPPERMINT SUPREME ORGANIC ESSENTIAL OIL - 50055

DATE: May 30, 2018



Due to volume turnover, this report is not lot specific. It is representative of the quality of this oil produced by the manufacturer of this product. Specific lots may vary slightly as is the case in natural products.



GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT SUPREME ORGANIC ESSENTIAL OIL - 50055

Peak	RT (min)	Compound name	%
1	6,3	alpha-PINENE	0,77
2	6,4	alpha-THUYENE	0,06
3	6,7	TETRAHYDROFURAN, 2,5-DIETHYL	0,02
4	6,8	CYCLOPENTENE, DIMETHYL METHYLETHYL	0,01
5	7,0	p-MENTH-3-ENE	0,01
6	7,2	CAMPHENE	0,03
7	8,1	beta-PINENE	1,17
8	8,4	SABINENE	0,44
9	8,5	PINADIENE	0,02
10	8,8	p-MENTH-2-ENE	0,01
11	9,5	beta-MYRCENE	0,20
12	9,6	alpha-PHELLANDRENE	0,02
13	9,7	psi-LIMONENE	0,02
14	10,0	alpha-TERPINENE	0,16
15	10,5	LIMONENE	2,66
16	10,9	1,8-CINEOLE + beta-PHELLANDRENE	5,08
17	11,0	MENTHATRIENE ISOMER	0,04
18	11,6	Cis-beta-OCIMENE	0,13
19	12,0	gamma-TERPINENE	0,30
20	12,1	Trans-beta-OCIMENE + MENTHATRIENE ISOMER	0,05
21	12,3	3-OCTANONE	0,02
22	12,7	p-CYMENE	0,30
23	12,9	ISOAMYL ISOVALERATE	0,01
24	13,0	2-METHYLBUTYL, 2-METHYLBUTYRATE	0,04
25	13,1	TERPINOLENE	0,11
26	13,5	AMYL VALERATE	0,03
27	14,6	CYCLOHEXANONE, 3-METHYL	0,04
28	14,7	ALIPHATIC ESTER	0,02
29	15,9	ALLO-OCIMENE	0,02
30	16,0	3-HEXEN-1-OL	0,01

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT SUPREME ORGANIC ESSENTIAL OIL - 50055

Peak	RT (min)	Compound name	%
31	16,1	MYRTENYL METHYL ETHER	0,03
32	16,4	3-OCTANOL	0,16
33	17,8	alpha,p-DIMETHYLSTYRENE	0,01
34	17,9	LINALOOL Cis-OXIDE	0,02
35	18,0	1-OCTEN-3-OL	0,06
36	18,2	HEXYL VALERATE	0,01
37	18,6	Trans-THUYANOL	0,31
38	18,8	MENTHONE	26,95
39	19,0	CITRONELLAL	0,02
40	19,2	MENTHOFURAN	3,97
41	19,3	YLANGENE	0,07
42	19,5	ISOMENTHONE	4,53
43	19,6	DIHYDROEDULAN ISOMER	0,05
44	19,7	alpha-COPAENE	0,05
45	20,1	COMPOUND Mw=152	0,02
46	20,2	alpha-PINOCAMPHONE	0,02
47	20,3	TERPENIC COMPOUND	0,05
48	20,4	beta-BOURBONENE	0,16
49	20,5	NEOMENTHYL ACETATE	0,34
50	20,6	p-MENTH-4-OL	0,01
51	20,7	LINALOOL	0,15
52	20,8	Cis-THUYANOL	0,07
53	20,9	1-OCTANOL	0,04
54	21,1	beta-PINOCAMPHONE	0,02
55	21,3	Trans-p-MENTH-2-EN-1-OL	0,19
56	21,4	MENTHYL ACETATE	4,96
57	21,6	ISOPULEGOL	0,13
58	21,7	Cis-ISOPULEGONE	0,06
59	21,8	ISOMENTHYL ACETATE	0,18
60	21,9	epsilon-CADINENE	0,07

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT SUPREME ORGANIC ESSENTIAL OIL - 50055

Peak	RT (min)	Compound name	%
61	22,1	Trans-ISOPULEGONE	0,04
62	22,2	NEOMENTHOL	3,46
63	22,3	beta-ELEMENE	0,05
64	22,4	TERPINENE-4-OL	0,90
65	22,5	beta-CARYOPHYLLENE	2,19
66	22,6	AROMADENDRENE	0,05
67	22,8	Cis-p-2,8-MENTHADIEN-1-OL	0,03
68	23,0	NEOISOMENTHOL	0,42
69	23,5	MENTHOL	32,42
70	23,6	ALIPHATIC ESTER	0,15
71	23,7	1-NONANOL	0,09
72	23,8	PULEGONE	1,80
73	23,9	ALLO-AROMADENDRENE	0,05
74	24,0	ISOMENTOL	0,24
75	24,1	E-β-FARNESENE	0,13
76	24,2	delta-TERPINEOL	0,20
77	24,3	ZONARENE	0,02
78	24,4	alpha-HUMULENE	0,13
79	24,5	Cis-4,5-MUUROLADIENE	0,02
80	24,6	SESQUITERPENE	0,03
81	24,7	alpha-TERPINEOL	0,37
82	24,8	BORNEOL	0,05
83	25,1	SESQUITERPENE	0,02
84	25,4	GERMACRENE D	0,78
85	25,5	SESQUITERPENE	0,05
86	25,7	SESQUITERPENE	0,06
87	25,8	alpha-MUUROLENE	0,07
88	25,9	PIPERITONE	0,51
89	26,0	CARVONE	0,23
90	26,1	BICYCLOGERMACRENE	0,10

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT SUPREME ORGANIC ESSENTIAL OIL - 50055

Peak	RT (min)	Compound name	%
91	26,2	Trans-ISOPIPERITENOL	0,03
92	26,2	CITRONELLOL	0,02
93	26,3	1-DECANOL	0,03
94	26,4	delta-CADINENE	0,12
95	26,5	gamma-CADINENE	0,03
96	26,7	METHYL SALICYLATE	0,03
97	27,1	MYRTENOL	0,03
98	27,3	alpha-AMORPHENE	0,02
99	27,9	ALIPHATIC ESTER	0,01
100	28,0	ALIPHATIC ESTER	0,02
101	28,2	Trans-CARVEOL	0,02
102	28,3	CALAMENENE	0,02
103	28,5	p-CYMENE-8-OL	0,02
104	28,6	AROMATIC COMPOUND	0,01
105	28,8	E-GERANYL ACETONE	0,02
106	29,1	Cis-MYRTANOL	0,03
107	30,5	PIPERITENONE	0,02
108	30,9	Trans-JASMONE	0,04
109	31,2	AROMATIC COMPOUND	0,03
110	31,7	ISOCARYOPHYLLENE EPOXIDE	0,04
111	32,0	CARYOPHYLLENE EPOXIDE	0,04
112	33,7	Cis-1,2-DIHYDROXY-p-MENTH-2-ENE	0,01
113	34,0	VIRIDIFLOROL	0,03
114	34,7	SPATHULENOL	0,02
115	35,3	EUGENOL	0,03
116	35,5	THYMOL	0,05
117	38,1	AROMATIC COMPOUND	0,02
118	38,8	MINT LACTONE	0,03
		TOTAL	99,99

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