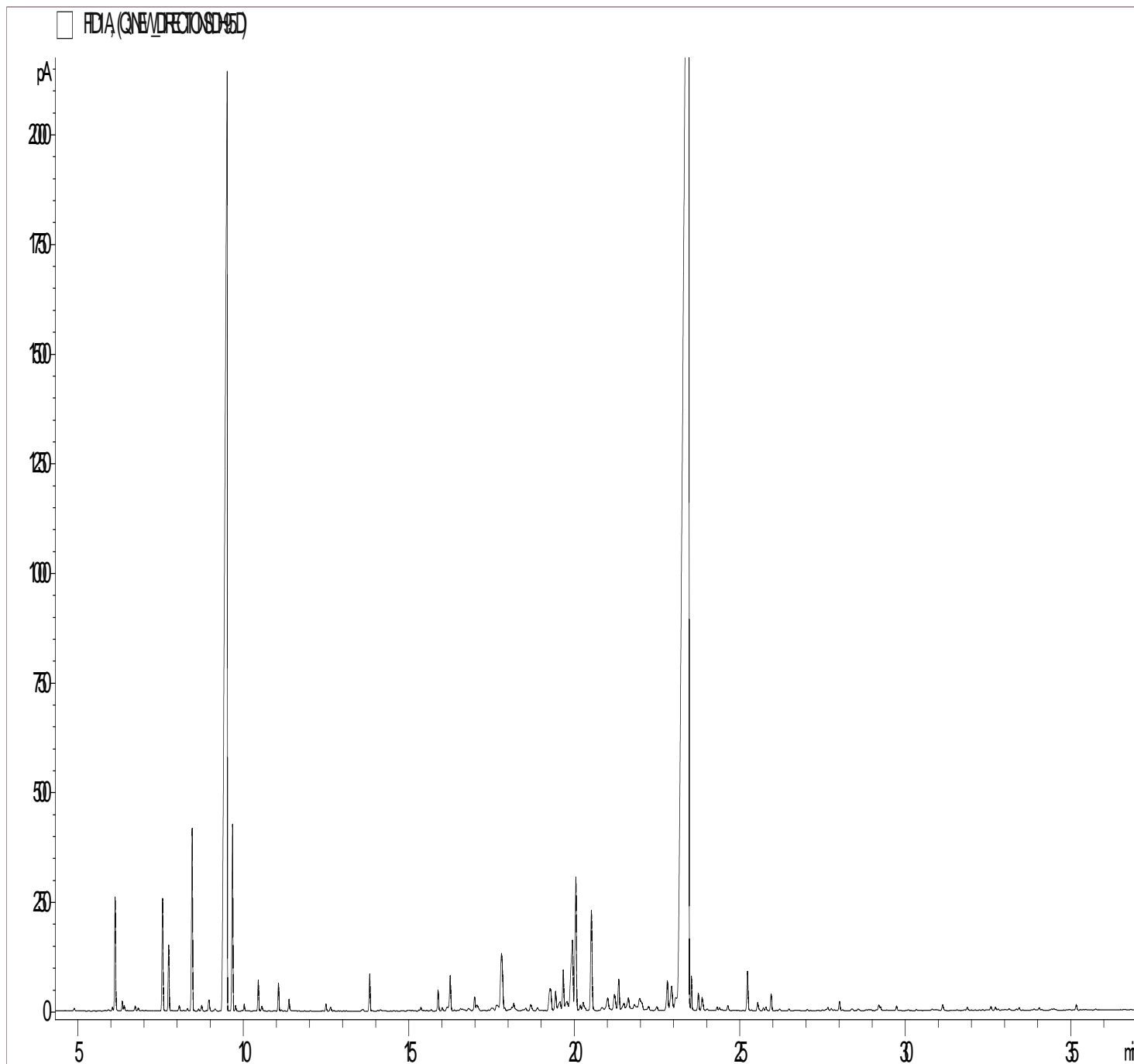


GCMS ANALYSIS

PRODUCT NAME: SPEARMINT ORGANIC ESSENTIAL OIL - 50022

DATE: December 07, 2020



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

PRODUCT NAME: SPEARMINT ORGANIC ESSENTIAL OIL - 50022

Peak	RT (min)	Compound name	%
1	6,04	p-MENTHANE	0,03
2	6,12	alpha-PINENE	0,99
3		alpha-THUYENE	
4	6,34	FURAN, 2,5-DIETHYLTETRAHYDRO-	0,08
5	6,40	METHYL METHYLETHENYL CYCLOHEXANE ISOMER	0,06
6	6,73	p-MENTH-3-ENE	0,05
7	6,82	CAMPHENE	0,03
8	7,56	beta-PINENE	1,00
9	7,74	SABINENE	0,56
10	8,06	p-MENTH-2-ENE	0,06
11	8,31	delta3-CARENE	0,03
12	8,45	beta-MYRCENE	1,69
13	8,74	psi-LIMONENE	0,06
14	8,96	alpha-TERPINENE	0,12
15	9,15	ISOAMYLIC ALCOHOL	0,03
16	9,50	LIMONENE	18,89
17	9,67	1,8-CINEOLE	1,55
18		beta-PHELLANDRENE	
19	9,76	1,3,8-p-MENTHATRIENE	0,05
20	10,03	cis-beta-OCIMENE	0,05
21	10,45	gamma-TERPINENE	0,25
22		trans-beta-OCIMENE	
23	10,56	3-OCTANONE	0,05
24	11,06	p-CYMENE	0,23
25	11,38	TERPINOLENE	0,11
26	12,50	3-OCTANOL ACETATE	0,06
27	12,64	CYCLOHEXANONE, 3-METHYL	0,04
28	13,82	3-OCTANOL	0,32
29	14,15	ALIPHATIC ALCOHOL	0,02
30	15,00	CYCLOHEXANOL, 3-METHYL	0,02

Disclaimer & Caution:

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Peak	RT (min)	Compound name	%
31	15,37	alpha-p-DIMETHYLSTYRENE	0,04
32	15,89	trans-THUYANOL	0,20
33	16,01	ALIPHATIC ALCOHOL	0,04
34	16,16	OCTYL ACETATE	0,05
35	16,25	MENTHONE	0,40
36	16,57	BICYCLOELEMENE	0,04
37	16,64	HEXENYLIC ESTER	0,03
38	16,80	YLANGENE	0,05
39	16,99	ISOMENTHONE	0,16
40	17,06	alpha-COPAENE	0,11
41	17,51	SESQUITERPENE	0,08
42	17,66	alpha-BOURBONENE	0,12
43	17,80	beta-BOURBONENE	1,06
44	17,90	LINALOOL	0,03
45	18,12	1-OCTANOL	0,07
46	18,17	SESQUITERPENE	0,13
47	18,54	trans-p-MENTH-2-EN-1-OL	0,07
48	18,69	MENTHYL ACETATE	0,11
49	18,89	NEOISOPULEGOL	0,05
50	19,27	epsilon-CADINENE	0,45
51	19,43	NEOMENTHOL	0,25
52	19,56	beta-ELEMENE	0,18
53	19,66	TERPINENE-4-OL	0,46
54	19,77	beta-CUBEBENE	0,19
55	19,94	beta-CARYOPHYLENE	1,35
56	20,05	cis-DIHYDROCARVONE	1,58
57	20,18	cis-p-2,8-MENTHADIEN-1-OL	0,08
58	20,26	SESQUITERPENE	0,15
59	20,51	MENTHOL	1,27
60	20,83	ALIPHATIC ALCOHOL	0,08

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Peak	RT (min)	Compound name	%
61	21,01	trans-DIHYDROCARVONE	0,27
62	21,21	GERMACRENE A	0,15
63	21,22	NEOISOMENTHOL	0,15
64	21,34	E-beta-FARNESENE	0,38
65	21,50	Trans-DIHYDROCARVYL ACETATE	0,16
66	21,63	SESQUITERPENE	0,28
67	21,82	alpha-HUMULENE	0,16
68	21,97	alpha-TERPINEOL	0,21
69	22,01	SESQUITERPENE	0,13
70	22,15	BORNEOL	0,02
71	22,24	gamma-MUUROLENE	0,07
72	22,49	Z-beta-FARNESENE	0,07
73	22,81	SESQUITERPENE	0,39
74	22,94	GERMACRENE D	0,43
75	23,06	PIPERITONE	0,20
76	23,45	CARVONE	59,21
77	23,48	SESQUITERPENE	0,03
78	23,54	SESQUITERPENE	0,25
79	23,74	delta-CADINENE	0,18
80	23,86	cis-CARVYL ACETATE	0,18
81	24,02	gamma-CADINENE	0,03
82	24,31	MYRTENOL	0,04
83	24,39	trans-p-MENTHA-1,8-DIEN-2-OL	0,04
84	24,64	CARVONE OXIDE	0,07
85	25,23	trans-CARVEOL	0,41
86	25,54	CARVONE OXIDE ISOMER	0,11
87	25,71	p-CYMENE-8-OL	0,03
88	25,79	CALAMENENE	0,04
89	25,94	cis-CARVEOL	0,18
90	26,20	SESQUITERPENOL	0,02

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Peak	RT (min)	Compound name	%
91	26,48	cis-p-MENTHA-1,8-DIEN-2-OL	0,02
92	27,66	PIPERITENONE	0,04
93	27,76	SESQUITERPENOL	0,03
94	28,01	cis-JASMONE	0,10
95	28,57	PHENYLETHYLIC ESTER	0,03
96	29,20	beta-IONONE	0,08
97	29,27	CARYOPHYLLENE EPOXIDE	0,04
98	29,73	NEROLIDOL	0,05
99	31,13	VIRIDIFLOROL	0,07
100	31,87	SPATHULENOL	0,04
101	32,59	THYMOL	0,05
102	32,72	T-CADINOL	0,04
103	33,14	alpha-MUUROLOL	0,03
104	33,44	GERANYL-p-CYMENE ISOMER	0,03
105	34,04	alpha-CADINOL	0,03
106	34,42	DITERPENE	0,02
107	34,49	SESQUITERPENOL	0,03
108	35,16	AROMATIC COMPOUND Mw=194	0,06
		TOTAL	100,00

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