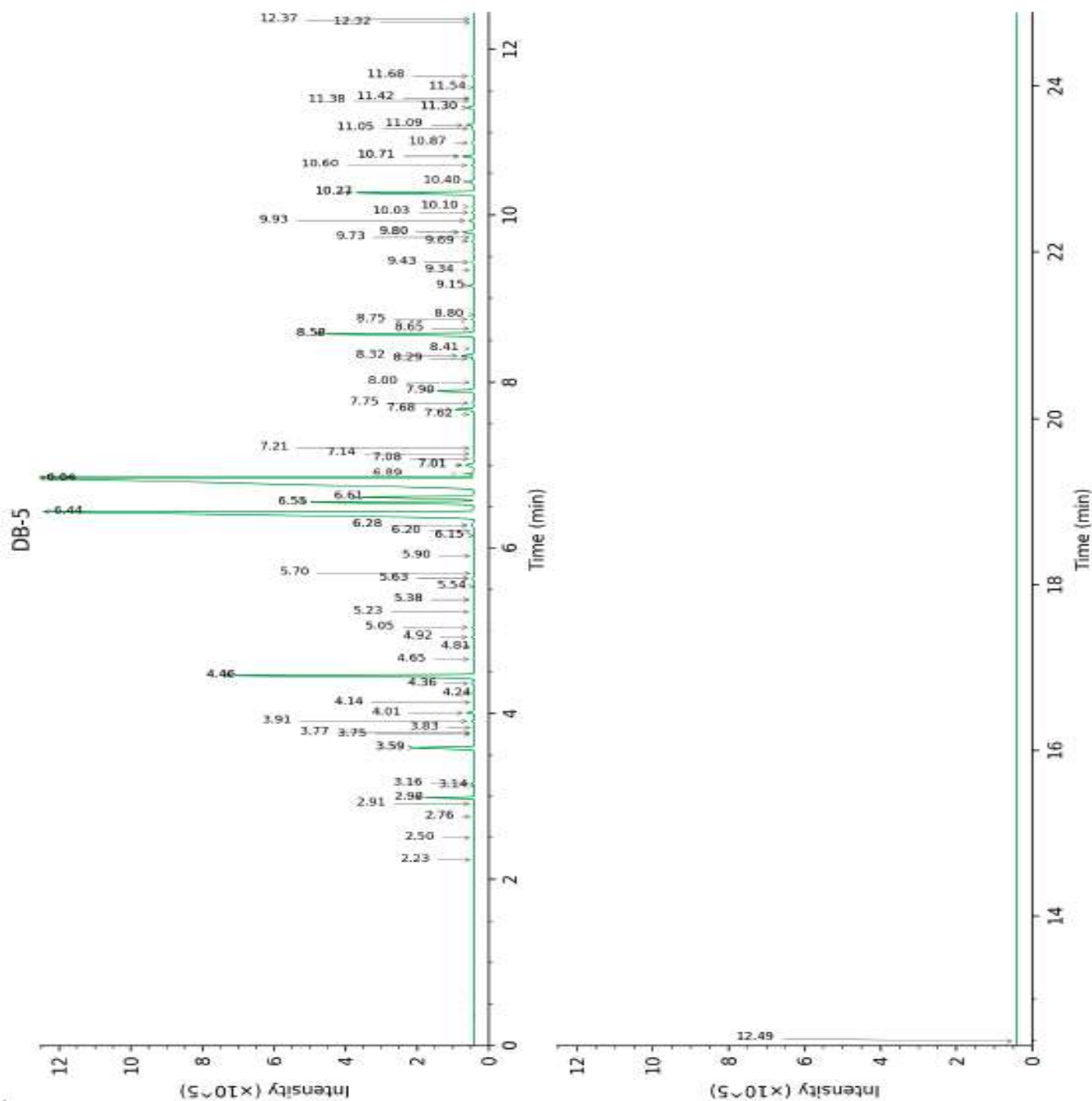


GCMS ANALYSIS

PRODUCT NAME: PEPPERMINT SUPREME ESSENTIAL OIL

DATE: September 02, 2020

LOT# 11114A10720



*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 ESSENTIAL OIL

Peak	RT (min)	Compound name	%
1	2,23	HEXANOL	0,01
2	2,50	TRANS-2,5-DIETHYLTETRAHYDROFURAN	0,01
3	2,76	HASHISHENE	0,01
4	2,91	$\alpha$ -THUJENE	0,03
5	2,98	$\alpha$ -PINENE	1,10
6	3,14	CAMPHERE	0,01
7	3,16	3-METHYLCYCLOHEXANONE	0,07
8	3,59*	CIS-PARA-MENTHANE	1,93
9	3,59*	SABINENE	[1,93]
10	3,59*	$\beta$ -PINENE	[1,93]
11	3,75	CIS-CARANE	0,02
12	3,77	OCTEN-3-OL	0,01
13	3,83	OCTAN-3-ONE	0,02
14	3,91	MYRCENE	0,09
15	4,01	OCTAN-3-OL	0,23
16	4,14	$\delta$ 3-CARENE	0,01
17	4,24	$\alpha$ -TERPINENE	0,05
18	4,36	PARA-CYMENE	0,07
19	4,46*	LIMONENE	8,32
20	4,46*	1,8-CINEOLE	[8,32]
21	4,65	(z)- $\beta$ -OCIMENE	0,04
22	4,81	(e)- $\beta$ -OCIMENE	0,02
23	4,92	$\gamma$ -TERPINENE	0,08
24	5,05	CIS-SABINENE HYDRATE	0,07
25	5,23	OCTANOL	0,06
26	5,38*	TERPINOLENE	0,04
27	5,38*	PARA-CYMENENE	[0,04]
28	5,54	TRANS-SABINENE HYDRATE	0,01
29	5,64*	2-METHYLBUTYL ISOVALERATE?	0,08
30	5,64*	LINALOOL	[0,08]

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## GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT SUPREME ESSENTIAL OIL

Peak	RT (min)	Compound name	%
31	5,70	2-METHYLBUTYL 2-METHYLBUTYRATE	0,01
32	5,90	CIS-PARA-MENTH-2-EN-1-OL	0,02
33	6,15*	TRANS-PARA-MENTH-2-EN-1-OL	0,02
34	6,15*	TRANS- $\beta$ -DIHYDROTERPINEOL	[0,02]
35	6,20	TRANS-SABINOL	0,01
36	6,28*	ISOPULEGOL	0,19
37	6,28*	CIS-A-DIHYDROTERPINEOL	[0,19]
38	6,44	MENTHONE	25,76
39	6,55*	ISOMENTHONE	5,07
40	6,55*	MENTHOFURAN	[5,07]
41	6,61	NEO-MENTHOL	3,61
42	6,84*	<b>MENTHOL</b>	<b>37,17</b>
43	6,84*	TERPINEN-4-OL	[37,17]
44	6,89	ISOMENTHOL	0,40
45	7,01*	NEOISO-MENTHOL	0,36
46	7,01*	$\alpha$ -TERPINEOL	[0,36]
47	7,08	TRANS-ISOPIPERITENOL	0,07
48	7,14	METHYLCHAVICOL	0,04
49	7,21	TRANS-PIPERITOL	0,04
50	7,62	(3Z)-HEXENYL ISOVALERATE	0,03
51	7,68	<b>PULEGONE</b>	<b>0,59</b>
52	7,75	CARVONE	0,06
53	7,90	PIPERITONE	1,07
54	8,00	TRANS-MYRTANOL	0,02
55	8,29	NEO-MENTHYL ACETATE	0,08
56	8,32	DECANOL	0,38
57	8,41	DIHYDROEDULAN I	0,04
58	8,58*	DIHYDROEDULAN II	4,90
59	8,58*	MENTHYL ACETATE	[4,90]
60	8,65	THYMOL	0,05

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## GCMS ANALYSIS (cont'd.)

PRODUCT NAME: PEPPERMINT SUPREME ESSENTIAL OIL

Peak	RT (min)	Compound name	%
61	8,75	ISOMENTHYL ACETATE	0,11
62	8,80	CARVACROL	0,01
63	9,15	BICYCLOELEMENE	0,15
64	9,34	$\alpha$ -CUBEBENE	0,02
65	9,43	EUGENOL	0,11
66	9,69	$\alpha$ -YLANGENE	0,08
67	9,73	$\alpha$ -COPAENE	0,04
68	9,80*	$\beta$ -BOURBONENE	0,40
69	9,80*	1,5-DIEPI-B-BOURBONENE	[0,40]
70	9,93	$\beta$ -ELEMENE	0,17
71	10,03	LONGIFOLENE	0,07
72	10,10	ISOCARYOPHYLLENE	0,05
73	10,27*	$\beta$ -CARYOPHYLLENE	3,81
74	10,27*	$\beta$ -YLANGENE	[3,81]
75	10,40	$\beta$ -COPAENE	0,21
76	10,60	ISOGERMACRENE D	0,09
77	10,72*	$\alpha$ -HUMULENE	0,36
78	10,72*	E-MUUROLENE?	[0,36]
79	10,87	(E)- $\beta$ -FARNESENE	0,10
80	11,05	$\gamma$ -MUUROLENE	0,09
81	11,09	GERMACRENE D	0,25
82	11,30*	BICYCLOGERMACRENE	0,22
83	11,30*	E-AMORPHENE	[0,22]
84	11,38	5-METHYL-2,4-DIISOPROPYLPHENOL	0,04
85	11,42	A-MUUROLENE	0,02
86	11,54	$\gamma$ -CADINENE	0,03
87	11,68	$\Delta$ -CADINENE	0,08
88	12,32	SPATHULENOL	0,01
89	12,37	CARYOPHYLLENE OXIDE	0,04
90	12,50	VIRIDIFLOROL	0,03
		<b>TOTAL</b>	<b>98,90</b>

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