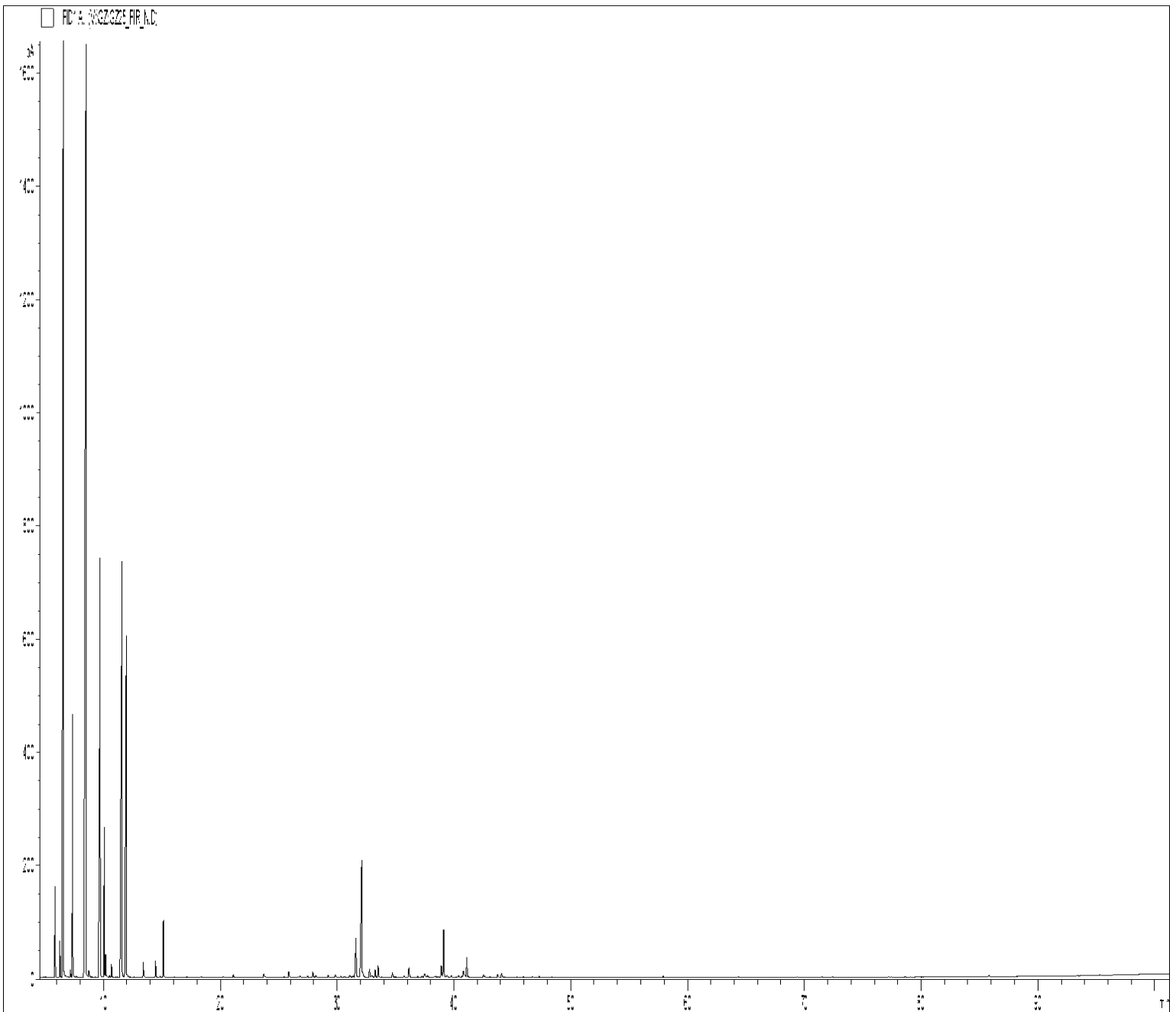


GCMS ANALYSIS

PRODUCT NAME: FIR BALSAM ORGANIC ESSENTIAL OIL – 50059

DATE: March 3, 2022



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: FIR BALSAM ORGANIC ESSENTIAL OIL – 50059

Peak	RT (min)	Compound name	%
1	4,47	ACETONE	0,03
2	5,05	HEXANE, 1-METHOXY-	0,01
3	5,84	SANTENE	1,03
4	6,25	TRICYCLENENE	0,53
5	6,56	alpha-PINENE	21,15
6	6,59	alpha-THUYENE	0,11
7	6,74	TOLUENE	0,06
8	7,16	alpha-FENCHENE	0,11
9	7,35	CAMPHENE	3,55
10	7,65	HEXANAL	0,02
11	8,49	beta-PINENE	28,45
12	8,73	SABINENE	0,09
13	8,78	PINADIENE	0,09
14	9,31	p-MENTH-2-ENE	0,01
15	9,70	delta3-CARENE	9,24
16	10,06	beta-MYRCENE	2,06
17	10,18	alpha-PHELLANDRENE	0,34
18	10,28	psi-LIMONENE	0,04
19	10,52	o-CYMENE	0,04
20	10,68	alpha-TERPINENE	0,21
21	11,02	1,8-CINEOLE, 2,3-DEHYDRO-	0,01
22	11,19	MENTHATRIENE ISOMER	0,01
23	11,58	LIMONENE	12,00
24	11,94	beta-PHELLANDRENE	8,35
25	12,05	1,3,8-p-MENTHATRIENE	0,07
26	12,62	FURAN, 2-PENTYL-	0,01
27	13,40	gamma-TERPINENE	0,24
28	13,45	MENTHATRIENE ISOMER	0,03
29	14,45	p-CYMENE	0,31
30	14,83	ISOTERPINOLENE	0,03

Disclaimer & Caution

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: FIR BALSAM ORGANIC ESSENTIAL OIL – 50059

Peak	RT (min)	Compound name	%
31	15,12	TERPINOLENE	0,98
32	16,02	CYMENE ISOMER	0,01
33	17,13	PINOL	0,02
34	18,34	CAMPHOLENAL ISOMER	0,03
35	20,26	3-HEXEN-1-OL	0,03
36	21,10	FENCHONE	0,07
37	22,42	PERILLENE	0,01
38	22,75	alpha-THUYONE	0,01
39	22,97	COMPOUND Mw=152	0,01
40	23,14	DIMETHYLSTYRENE ISOMER	0,02
41	23,71	alpha,p-DIMETHYLSTYRENE	0,14
42	24,09	LINALOOL cis-OXIDE	0,01
43	24,38	MENTHATRIENE ISOMER	0,01
44	25,34	epoxy-4,8-TERPINOLENE	0,01
45	25,43	FENCHYL ACETATE	0,02
46	25,86	alpha-LONGIPINENE	0,14
47	26,65	alpha-CAMPHOLENAL	0,02
48	26,80	ISOLEDENE	0,02
49	26,83	YLANGENE	0,04
50	27,46	LONGICYCLENE	0,04
51	27,91	CAMPHOR	0,14
52	28,17	alpha-PINOCAMPHONE	0,06
53	29,00	CAMPHOLENIC ALCOHOL	0,02
54	29,23	SATIVENE	0,08
55	29,84	beta-PINOCAMPHONE	0,09
56	30,10	COMPOUND Mw=152	0,02
57	30,32	LINALOOL	0,05
58	30,62	CADINENE ISOMER	0,04
59	31,07	PINOCARVONE	0,06
60	31,12	trans-p-MENTH-2-EN-1-OL	0,04

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: FIR BALSAM ORGANIC ESSENTIAL OIL – 50059

Peak	RT (min)	Compound name	%
61	31,35	SESQUITERPENE	0,05
62	31,61	LONGIFOLENE	1,03
63	31,84	NOPINONE	0,02
64	32,11	BORNYL ACETATE	3,48
65	32,20	FENCHOL	0,12
66	32,26	ISOBORNYL ACETATE	0,05
67	32,77	METHYL THYMOL ETHER	0,20
68	32,96	CAMPHENE HYDRATE	0,05
69	33,26	beta-CARYOPHYLLENE	0,19
70	33,50	TERPINENE-4-OL	0,29
71	33,80	2-UNDECANONE	0,02
72	34,72	MYRTENAL	0,14
73	35,01	cis-p-MENTH-2-EN-1-OL	0,03
74	35,72	alpha-HIMACHALENE	0,05
75	36,14	trans-PINOCARVEOL	0,25
76	36,90	trans-p-2,8-MENTHADIEN-1-OL	0,03
77	37,26	ESTRAGOL	0,05
78	37,48	CRYPTONE	0,04
79	37,60	CITRONELLYL ACETATE	0,03
80	37,65	alpha-HUMULENE	0,08
81	37,73	E-beta-FARNESENE	0,07
82	38,45	LAVANDULAL	0,04
83	38,66	Z-beta-FARNESENE	0,03
84	38,90	gamma-MUUROLENE	0,03
85	38,92	BORNEOL	0,28
86	39,11	alpha-TERPINEOL	1,07
87	39,39	VERBENONE	0,07
88	39,77	beta-HIMACHALENE	0,05
89	39,92	SESQUITERPENE	0,02
90	40,19	MENTHADIENOL ISOMER	0,01

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: FIR BALSAM ORGANIC ESSENTIAL OIL – 50059

Peak	RT (min)	Compound name	%
91	40,28	SESQUITERPENE	0,01
92	40,42	PELLANDRAL	0,05
93	40,67	alpha-SELINENE	0,04
94	40,81	PIPERITONE	0,19
95	40,88	alpha-MUUROLENE	0,07
96	41,10	beta-BISABOLENE	0,45
97	41,23	CARVONE	0,04
98	42,53	delta-CADINENE	0,07
99	42,64	gamma-CADINENE	0,03
100	43,07	CITRONELLOL	0,03
101	43,50	CUMINAL	0,01
102	43,74	trans-alpha-BISABOLENE	0,09
103	44,08	MYRTENOL	0,13
104	44,36	CAMPHOLENOL	0,02
105	45,37	CITRONELLYL BUTYRATE	0,02
106	45,95	CITRONELIC ESTER	0,02
107	46,73	trans-CARVEOL	0,03
108	47,01	m-CYMENE-8-OL	0,01
109	47,29	p-CYMENE-8-OL	0,04
110	48,37	cis-CARVEOL	0,03
111	54,63	CARYOPHYLLENE EPOXIDE	0,02
112	57,91	NEROLIDOL	0,03
113	64,33	THYMOL	0,02
114	69,41	METHYL DIHYDROJASMONATE	0,01
115	71,50	SANDARACOPIMARADIENE	0,02
116	72,40	MANOYL OXIDE	0,02
117	77,24	BIFORMENE Mw=272	0,01
118	85,82	epi-MANOOL	0,05
		TOTAL	99,85

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