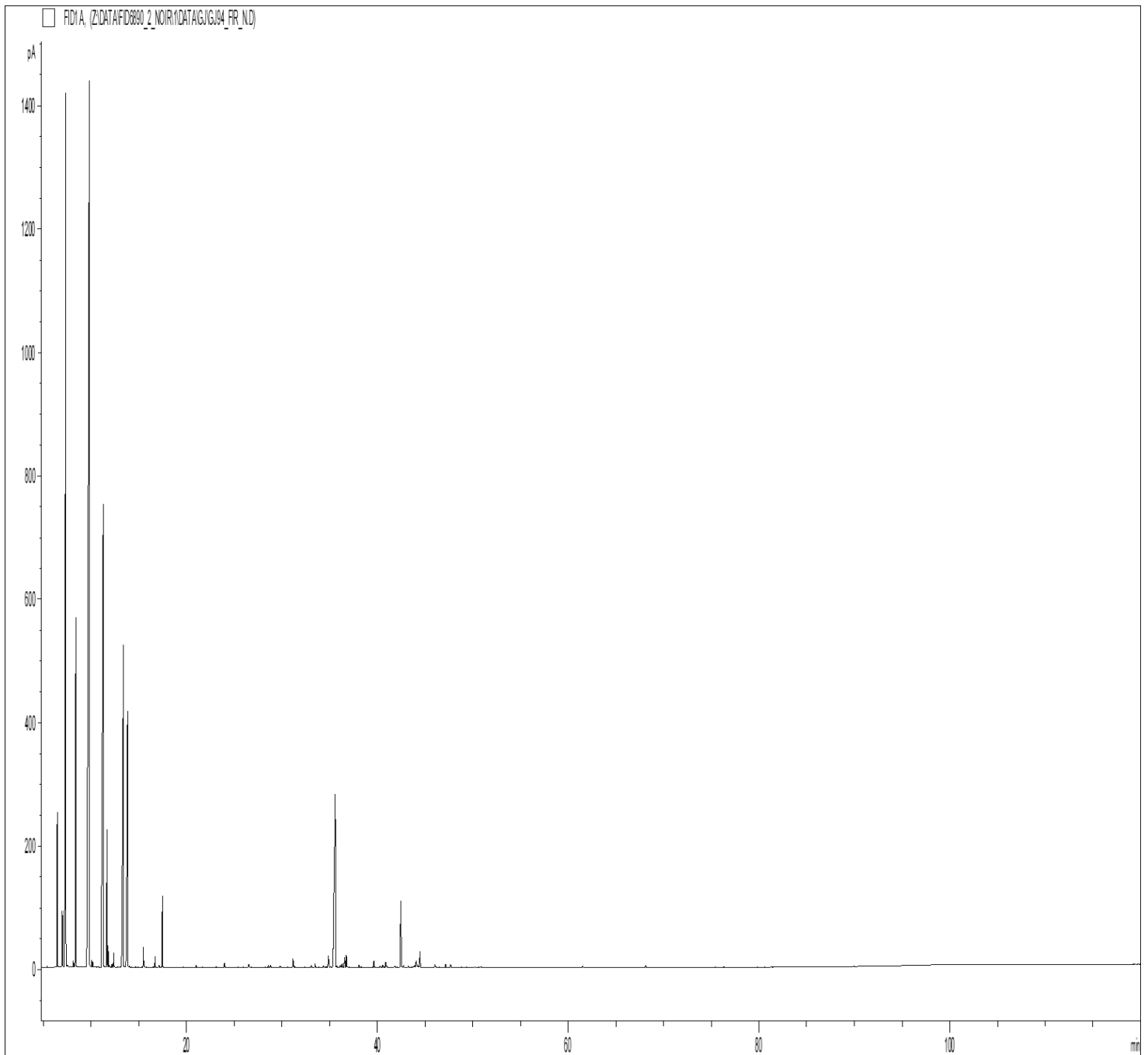


GCMS ANALYSIS

PRODUCT NAME: FIR BALSAM ESSENTIAL OIL – 11055

DATE: September 23, 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 ESSENTIAL OIL – 11055

Peak	RT (min)	Compound name	%
1	5.41	HEXANE, 1-METHOXY-	0.01
2	6.46	SANTENE	1.57
3	6.97	TRICYCLENENE	0.77
4	7.35	α-PINENE	16.52
5	7.37	α-THUYENE	0.15
6	7.51	TOLUENE	0.02
7	8.13	α-FENCHENE	0.09
8	8.40	CAMPHENE	5.29
9	9.82	β-PINENE	32.62
10	10.07	SABINENE	0.08
11	10.16	PINADIENE	0.06
12	11.27	δ3-CARENE	13.25
13	11.68	β-MYRCENE	1.91
14	11.79	α-PHELLANDRENE	0.22
15	11.92	psi-LIMONENE	0.02
16	12.19	o-CYMENE	0.04
17	12.38	α-TERPINENE	0.19
18	13.39	LIMONENE	8.97
19	13.82	β-PHELLANDRENE	5.79
20	13.99	1,3,8-p-MENTHATRIENE	0.02
21	15.50	γ-TERPINENE	0.29
22	16.71	p-CYMENE	0.15
23	17.13	ISOTERPINOLENE	0.04
24	17.48	TERPINOLENE	1.18
25	20.99	CAMPHOLENAL ISOMER	0.04
26	23.97	FENCHONE	0.09
27	25.34	PERILLENE	0.01
28	26.50	α-p-DIMETHYLSTYRENE	0.07
29	26.77	MENTHATRIENIC COMPOUND	0.01
30	28.54	FENCHYL ACETATE	0.03

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: FIR BALSAM ESSENTIAL OIL – 11055

Peak	RT (min)	Compound name	%
31	28.77	α -LONGIPINENE	0.06
32	29.78	α -CAMPHOLENAL	0.03
33	31.14	CAMPHOR	0.18
34	31.30	α -PINOCAMPHONE	0.03
35	32.35	SATIVENE	0.02
36	33.05	β -PINOCAMPHONE	0.05
37	33.46	LINALOOL	0.06
38	34.34	PINOCARVONE	0.05
39	34.57	SESQUITERPENE	0.01
40	34.86	LONGIFOLENE	0.25
41	34.93	NOPINONE	0.02
42	35.57	BORNYL ACETATE	6.37
43	35.74	ISOBORNYL ACETATE	0.02
44	36.03	TERPENIC ESTER	0.01
45	36.11	METHYL THYMOL ETHER	0.04
46	36.29	CAMPHENE HYDRATE	0.07
47	36.56	TERPINENE-4-OL	0.18
48	36.74	β -CARYOPHYLLENE	0.23
49	36.86	2-UNDECANONE	0.01
50	37.04	SESQUITERPENE	0.01
51	38.06	MYRTENAL	0.06
52	38.28	cis-p-MENTH-2-EN-1-OL	0.02
53	39.50	α -HIMACHALENE	0.01
54	39.62	trans-PINOCARVEOL	0.13
55	40.26	MENTHADIENOL ISOMER	0.03
56	40.56	ESTRAGOL	0.02
57	40.70	CITRONELLYL ACETATE	0.02
58	40.87	α -HUMULENE	0.11
59	40.96	E- β -FARNESENE	0.02
60	41.76	LAVANDULAL	0.02

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: FIR BALSAM ESSENTIAL OIL – 11055

Peak	RT (min)	Compound name	%
61	41.82	MYRTENYL ACETATE	0.02
62	41.83	Z- β -FARNESENE	0.02
63	42.44	α -TERPINEOL	1.37
64	42.74	VERBENONE	0.04
65	43.22	β -HIMACHALENE	0.03
66	43.81	PHELLANDRAL	0.01
67	43.90	SESQUITERPENE	0.03
68	44.07	PIPERITONE	0.15
69	44.20	α -SELINENE	0.02
70	44.27	α -MUUROLENE	0.02
71	44.46	β -BISABOLENE	0.33
72	46.02	δ -CADINENE	0.06
73	46.12	GERANYL ACETATE	0.01
74	46.47	γ -CADINENE	0.02
75	47.14	trans- α -BISABOLENE	0.07
76	47.65	MYRTENOL	0.06
77	50.17	trans-CARVEOL	0.02
78	50.83	p-CYMENE-8-OL	0.02
79	61.52	NEROLIDOL	0.03
80	68.11	THYMOL	0.04
		TOTAL	99.98

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