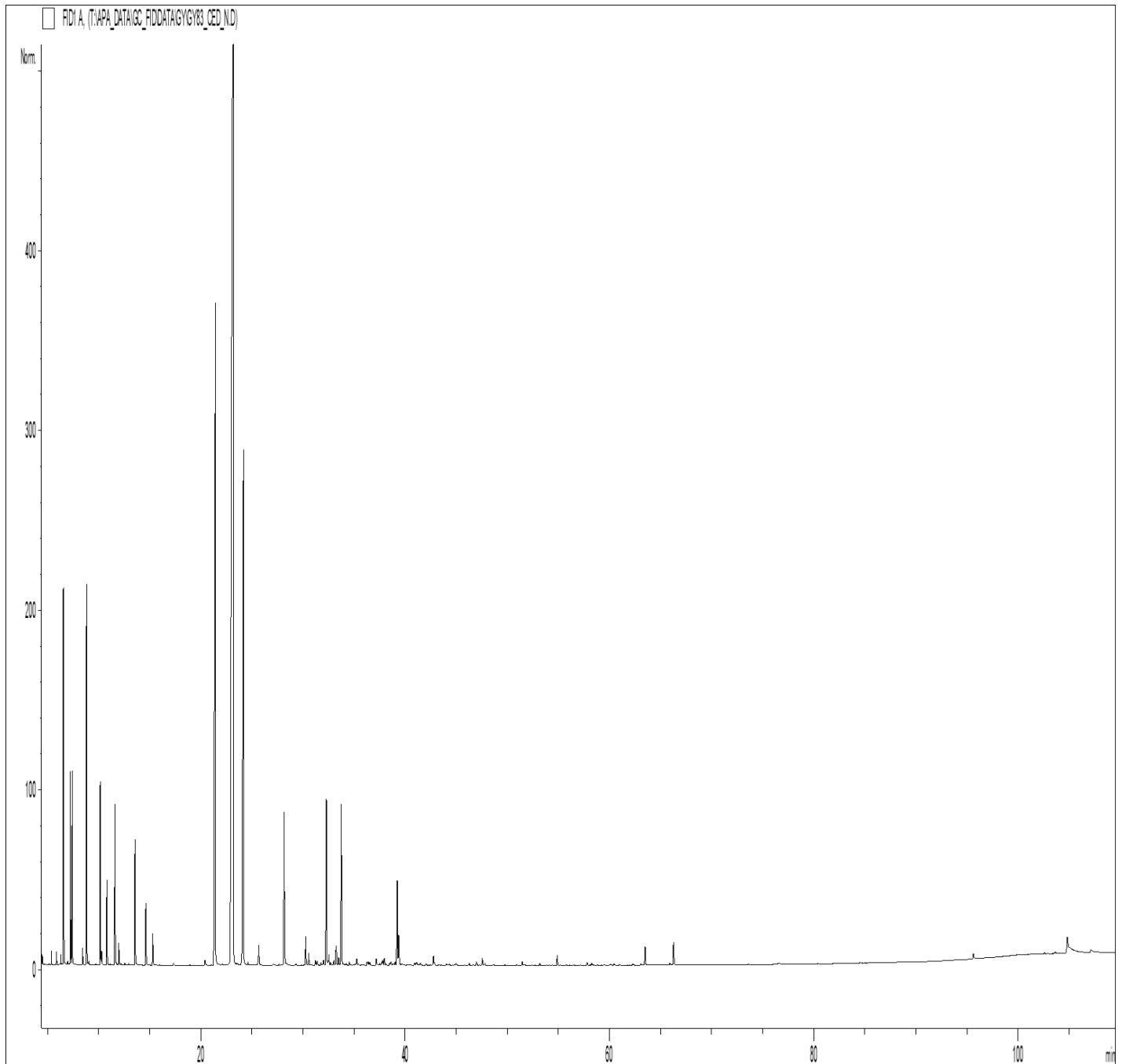


GCMS ANALYSIS

PRODUCT NAME: CEDAR LEAF (THUJA) ESSENTIAL OIL – 11026

DATE: March 9, 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: CEDAR LEAF (THUJA) ESSENTIAL OIL – 11026

Peak	RT (min)	Compound	%
1	5,12	ISOVALERALDEHYDE	0,01
2	5,17	ETHANOL	0,01
3	5,36	COMPOUND Mw=124	0,08
4	5,85	BORNYLENE	0,09
5	5,88	TERPENE ISOMER	0,05
6	6,29	TRICYCLENE	0,07
7	6,54	<b>alpha-PINENE</b>	<b>2,59</b>
8	6,58	alpha-THUYENE	0,91
9	6,97	ETHYL 2-METHYLBUTYRATE	0,03
10	7,22	alpha-FENCHENE	1,45
11	7,30	ETHYL ISOVALERATE	0,06
12	7,40	CAMPHENE	1,53
13	8,43	beta-PINENE	0,16
14	8,81	<b>SABINENE</b>	<b>3,32</b>
15	9,03	THUYA-2,4-DIENE	0,04
16	9,72	delta3-CARENE	0,02
17	10,14	beta-MYRCENE	1,66
18	10,27	alpha-PHELLANDRENE	0,18
19	10,79	alpha-TERPINENE	0,87
20	11,14	1,8-CINEOLE, 2,3-DEHYDRO-	0,02
21	11,58	LIMONENE	1,74
22	11,96	beta-PHELLANDRENE	0,27
23	12,16	1,3,8-p-MENTHATRIENE	0,02
24	12,53	ETHYL DIMETHYLACRYLATE	0,03
25	12,93	ETHYL CAPROATE	0,02
26	13,55	gamma-TERPINENE	1,45
27	14,04	MENTHATRIENE ISOMER	0,01
28	14,61	p-CYMENE	0,75
29	15,28	TERPINOLENE	0,41
30	17,32	PINOL	0,03

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDAR LEAF (THUJA) ESSENTIAL OIL – 11026

Peak	RT (min)	Compound	%
31	20,41	COMPOUND Mw=122	0,10
32	21,05	ALIPHATIC ESTER	0,01
33	21,42	<b>FENCHONE</b>	<b>12,48</b>
34	21,77	COMPOUND Mw=122	0,02
35	22,08	COMPOUND Mw=150	0,03
36	23,20	<b>alpha-THUYONE</b>	<b>44,72</b>
37	23,52	alpha,p-DIMETHYLSTYRENE	0,07
38	24,17	<b>beta-THUYONE</b>	<b>8,79</b>
39	24,62	1-OCTEN-3-OL	0,06
40	25,00	AROMATIC COMPOUND	0,03
41	25,61	trans-THUYANOL	0,03
42	25,68	FENCHYL ACETATE	0,30
43	27,10	alpha-CAMPHOLENAL	0,03
44	27,63	TERPENIC ACETATE	0,02
45	27,83	alpha-COPAENE	0,02
46	28,16	CAMPHOR	2,31
47	28,40	COMPOUND Mw=152	0,05
48	29,33	COMPOUND Mw=152	0,02
49	30,11	ISOPINOCAMPHONE	0,01
50	30,27	E-SOLANONE	0,40
51	30,56	LINALOOL	0,18
52	30,83	COMPOUND Mw=152	0,02
53	31,22	LINALYL ACETATE	0,08
54	31,40	trans-p-MENTH-2-EN-1-OL	0,08
55	31,76	cis-ISOPULEGONE	0,05
56	32,01	TERPINENE-1-OL	0,09
57	32,30	BORNYL ACETATE	2,41
58	32,45	FENCHOL	0,06
59	32,55	trans-ISOPULEGONE	0,16
60	32,71	COMPOUND Mw=138	0,05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CEDAR (LEAF THUJA) ESSENTIAL OIL – 11026

Peak	RT (min)	Compound	%
61	33,02	METHYL THYMOL ETHER	0,08
62	33,26	CAMPHENE HYDRATE	0,20
63	33,30	TERPENIC ESTER	0,20
64	33,49	METHYL CARVACROL ETHER	0,13
65	33,76	TERPINENE-4-OL	2,28
66	34,00	2-UNDECANONE	0,03
67	34,22	6,9-GUAIADIENE	0,04
68	34,53	TERPENIC ESTER	0,05
69	34,99	COMPOUND Mw=152	0,03
70	35,17	MYRTENAL	0,03
71	35,27	SABINAKETONE	0,12
72	35,45	cis-p-MENTH-2-EN-1-OL	0,02
73	35,73	UMBELLULONE	0,01
74	35,83	CADINA-3,5-DIENE	0,01
75	36,29	PULEGONE	0,07
76	36,42	trans-PINOCARVEOL	0,06
77	36,53	cis-SABINYL ACETATE	0,06
78	37,19	THUYYLIC ALCOHOL ISOMER	0,12
79	37,51	ZONARENE	0,03
80	37,71	TERPENIC ACETATE	0,06
81	37,81	alpha-HUMULENE	0,08
82	37,98	THUYYLIC ALCOHOL ISOMER	0,13
83	38,14	SESQUITERPENE	0,02
84	38,49	CARVOTANACETONE	0,03
85	38,62	COMPOUND Mw=152	0,06
86	38,80	TERPENIC ACETATE	0,03
87	38,90	TERPENIC ACETATE	0,02
88	39,03	SESQUITERPENE	0,05
89	39,23	TERPENYL ACETATE	1,26
90	39,37	alpha-TERPINEOL	0,54

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDAR LEAF (THUJA) ESSENTIAL OIL – 11026

Peak	RT (min)	Compound	%
91	39,66	VERBENONE	0,04
92	40,32	SESQUITERPENE	0,01
93	40,52	GERMACRENE D	0,02
94	40,93	SESQUITERPENE	0,04
95	41,07	MENTHADIENOL ISOMER	0,04
96	41,16	PIPERITONE	0,06
97	41,33	SESQUITERPENE	0,01
98	41,49	alpha-MUUROLENE	0,06
99	42,04	trans-PIPERITOL	0,04
100	42,78	delta-CADINENE	0,16
101	42,85	gamma-CADINENE	0,04
102	43,33	CITRONELLOL	0,03
103	43,55	TERPENIC ACETATE	0,02
104	44,04	CUMINAL	0,03
105	44,21	MENTHADIENOL ISOMER	0,01
106	44,36	SABINOL ISOMER	0,02
107	44,64	p-MENTHA-1,3-DIEN-7-AL	0,01
108	44,99	MYRTENOL	0,06
109	46,29	2-TRIDECANONE	0,04
110	46,64	trans-ANETHOL	0,02
111	46,99	trans-CARVEOL	0,06
112	47,56	p-CYMENE-8-OL	0,11
113	47,82	ALIPHATIC ESTER	0,03
114	49,77	ALIPHATIC ESTER	0,01
115	50,92	KETONIC COMPOUND	0,01
116	51,47	HYDROXY TERPENIC ESTER	0,06
117	51,62	AROMATIC COMPOUND	0,02
118	53,19	BENZENEMETHANOL METHYLETHYL ACETATE Mw=192	0,03
119	54,90	CARYOPHYLLENE OXIDE	0,15
120	57,82	EPOXY-6,7-HUMULENE	0,05

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDAR LEAF (THUJA) ESSENTIAL OIL – 11026

Peak	RT (min)	Compound	%
121	58,26	p-MENTHA-1,4-DIEN-7-OL	0,04
122	59,51	COMPOUND Mw=220	0,01
123	60,03	AROMATIC COMPOUND	0,02
124	60,12	cis-1,2-DIHYDROXY-p-MENTH-2-ENE	0,02
125	60,46	CUMINOL	0,04
126	62,30	ETHYL CINNAMATE	0,02
127	63,06	CINNAMYL ACETATE	0,02
128	63,50	RIMUENE	0,29
129	65,91	THYMOL	0,04
130	66,29	BEYERENE	0,41
131	73,63	SESQUITERPENIC OXIDE	0,01
132	80,42	10-HYDROXYOPLOPANONE	0,01
133	95,64	PALMITIC ACID	0,10
134	102,60	AROMATIC COMPOUND	0,03
135	103,66	AROMATIC COMPOUND	0,04
136	104,85	OLEIC ACID	1,05
137	107,16	LINOLEIC ACID	0,13
		<b>TOTAL</b>	<b>99,98</b>

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