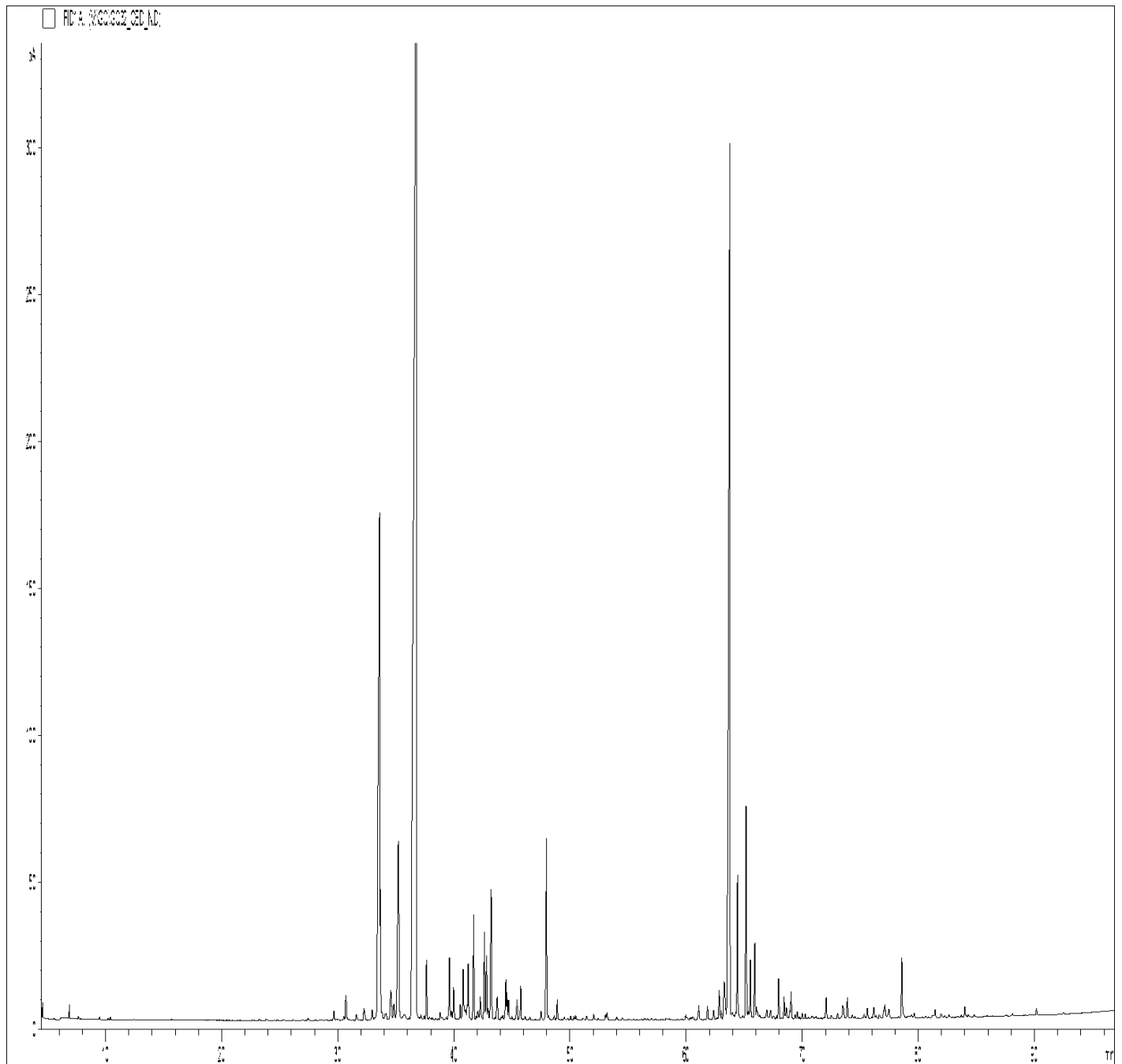


GCMS ANALYSIS

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (TEXAS) – 11195

DATE: April 21, 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: CEDARWOOD ESSENTIAL OIL (TEXAS) – 11195

Peak	RT (min)	Compound name	%
1	6.88	alpha-PINENE	0.06
2	7.66	alpha-FENCHENE	0.02
3	9.48	PINADIENE	0.02
4	10.21	ALIPHATIC ESTER	0.01
5	10.39	delta3-CARENE	0.02
6	15.66	p-CYMENE	0.01
7	23.24	SESQUITERPENE	0.01
8	27.46	CEDRENE ISOMER	0.03
9	29.67	CEDRENE ISOMER	0.12
10	29.90	CAMPHOR	0.01
11	30.01	CEDRENE ISOMER	0.02
12	30.53	SESQUITERPENE	0.04
13	30.70	CEDRENE ISOMER	0.31
14	30.86	SESQUITERPENE	0.02
15	31.61	BERGAMOTENE ISOMER	0.08
16	32.27	HIMACHALENE ISOMER	0.19
17	32.96	alpha-cis-BERGAMOTENE	0.12
18	33.16	SESQUITERPENE	0.03
19	33.33	SESQUITERPENE	0.05
20	33.60	<b>alpha-CEDRENE</b>	<b>9.10</b>
21	33.67	beta-FUNEBRENE	0.89
22	33.79	SESQUITERPENE	0.13
23	34.11	SELINADIENE ISOMER	0.08
24	34.16	SESQUITERPENE	0.09
25	34.57	CEDRENE ISOMER	0.54
26	34.84	ELEMENE ISOMER	0.24
27	35.23	<b>beta-CEDRENE</b>	<b>3.47</b>
28	35.75	SESQUITERPENE	0.20
29	36.17	TERPENIC ACETATE	0.03
30	36.79	<b>THUYOPSENE</b>	<b>40.13</b>

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (TEXAS) – 11195

Peak	RT (min)	Compound name	%
31	ar	SESQUITERPENE	0.06
32	37.01	HIMACHALENE ISOMER	0.04
33	37.17	PREZIZA-7-ENE	0.07
34	37.45	AROMATIC COMPOUND	0.05
35	37.65	alpha-HIMACHALENE	0.59
36	37.90	SESQUITERPENE	0.04
37	38.12	SESQUITERPENE	0.03
38	38.42	HIMACHALENE ISOMER	0.02
39	38.81	SESQUITERPENE	0.09
40	38.98	SESQUITERPENE	0.03
41	39.33	alpha-HUMULENE	0.02
42	39.60	CURCUMENE ISOMER	0.70
43	39.78	gamma-SELINENE	0.11
44	39.97	CURCUMENE ISOMER	0.34
45	40.54	SESQUITERPENE	0.16
46	40.79	gamma-HIMACHALENE	0.67
47	40.99	gamma-CURCUMENE	0.15
48	41.13	SESQUITERPENE	0.12
49	41.22	beta-CHAMIGRENE	0.65
50	41.69	beta-HIMACHALENE	1.07
51	41.91	GERMACRENE D	0.04
52	42.04	SESQUITERPENE	0.12
53	42.26	beta-SELINENE	0.29
54	42.61	CHAMIGRENE ISOMER	0.94
55	42.81	TERPENIC ESTER	0.70
56	42.93	beta-BISABOLENE	0.13
57	43.20	alpha-CHAMIGRENE	1.78
58	43.69	beta-CURCUMENE	0.09
59	43.73	SESQUITERPENE Mw=202	0.22
60	44.06	SESQUITERPENE	0.04

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (TEXAS) – 11195

Peak	RT (min)	Compound name	%
61	44.21	E,E-alpha-FARNESENE	0.05
62	44.46	delta-CADINENE	0.41
63	44.56	gamma-CADINENE	0.25
64	44.69	SELINADIENE ISOMER	0.22
65	44.99	SESQUITERPENE	0.04
66	45.39	beta-SESQUIPELLANDRENE	0.11
67	45.42	alpha-CURCUMENE	0.15
68	45.69	trans-alpha-BISABOLENE	0.06
69	45.75	HIMACHALENE ISOMER	0.32
70	46.12	MYRTENOL	0.03
71	46.53	alpha-AMORPHENE	0.02
72	47.50	TERPENIC COMPOUND	0.10
73	47.96	<b>CUPARENE</b>	<b>1.95</b>
74	48.15	SESQUITERPENE Mw=202	0.04
75	48.64	trans-CALAMENENE	0.04
76	48.88	AROMATIC COMPOUND	0.19
77	49.50	AROMATIC COMPOUND	0.02
78	50.05	AROMATIC COMPOUND	0.04
79	50.34	AROMATIC COMPOUND	0.04
80	50.48	AROMATIC COMPOUND	0.05
81	51.43	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	0.05
82	52.02	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	0.06
83	53.05	alpha-CALACORENE	0.05
84	53.18	SESQUITERPENE Mw=202	0.08
85	54.01	AROMATIC COMPOUND Mw=222	0.04
86	54.50	COMPOUND Mw=222	0.03
87	59.95	NEROLIDOL	0.06
88	60.09	SESQUITERPENIC EPOXIDE	0.03
89	60.32	CARYOPHYLLENOL	0.02
90	60.43	JUNEOL	0.03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (TEXAS) – 11195

Peak	RT (min)	Compound name	%
91	60.57	epi-CUBENOL	0.05
92	61.08	CUBENOL	0.17
93	61.84	SESQUITERPENOL	0.17
94	62.37	ELEMOL	0.11
95	62.84	CEDROL ISOMER	0.32
96	63.02	AROMATIC COMPOUND	0.09
97	63.29	CEDROL ISOMER	0.62
98	63.36	SESQUITERPENIC EPOXIDE	0.10
99	63.76	<b>CEDROL</b>	<b>16.64</b>
100	63.97	AROMATIC COMPOUND	0.17
101	64.26	SESQUITERPENOL	0.08
102	64.42	SESQUITERPENOL	1.62
103	64.85	SESQUITERPENOL	0.08
104	65.16	<b>WIDDROL</b>	<b>2.43</b>
105	65.36	SESQUITERPENIC EPOXIDE	0.10
106	65.53	CEDROL ISOMER	0.66
107	65.90	SESQUITERPENOL	0.86
108	66.06	gamma-EUDESOL	0.14
109	66.15	T-CADINOL	0.08
110	66.32	SESQUITERPENOL	0.10
111	66.95	AROMATIC COMPOUND	0.17
112	67.26	alpha-MUUROLOL	0.18
113	67.50	delta-CADINOL	0.06
114	67.78	CARVACROL	0.04
115	67.96	HIMACHALOL ISOMER	0.42
116	68.44	alpha-BISABOLOL	0.22
117	68.63	alpha-EUDESOL	0.16
118	68.93	beta-EUDESOL	0.08
119	69.04	alpha-CADINOL	0.30
120	69.38	AROMATIC COMPOUND	0.05

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (TEXAS) – 11195

Peak	RT (min)	Compound name	%
121	69.57	SESQUITERPENOL	0.08
122	69.99	EUDESMA-7(11)-EN-4-OL	0.07
123	70.25	AROMATIC COMPOUND	0.06
124	72.06	SESQUITERPENONE Mw=218	0.29
125	72.50	BICYCLOVETIVENOL	0.06
126	73.04	SESQUITERPENOL Mw=222	0.09
127	73.48	AROMATIC COMPOUND	0.15
128	73.53	ALIPHATIC ESTER	0.13
129	73.88	alpha-CEDRENOL	0.27
130	74.31	SESQUITERPENONE Mw=218	0.06
131	75.32	SESQUITERPENOL	0.07
132	75.60	SESQUITERPENIC EPOXIDE	0.13
133	76.15	CEDRENOL ISOMER	0.15
134	76.64	AROMATIC COMPOUND	0.06
135	77.02	SESQUITERPENIC EPOXIDE	0.07
136	77.12	SESQUITERPENIC EPOXIDE	0.20
137	77.47	CEDRENOL ISOMER	0.18
138	78.59	SESQUITERPENIC EPOXIDE	0.81
139	79.44	DITERPENE Mw=272	0.06
140	79.65	SESQUITERPENIC EPOXIDE	0.07
141	81.46	SESQUITERPENOL Mw=220	0.10
142	81.99	NOOTKATONE	0.08
143	84.01	SESQUITERPENIC EPOXIDE	0.15
144	84.32	SESQUITERPENONE	0.04
145	84.81	SESQUITERPENIC EPOXIDE	0.02
146	88.13	epi-MANOOL	0.03
147	90.19	AROMATIC COMPOUND Mw=218	0.07
		<b>TOTAL</b>	<b>99.83</b>

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