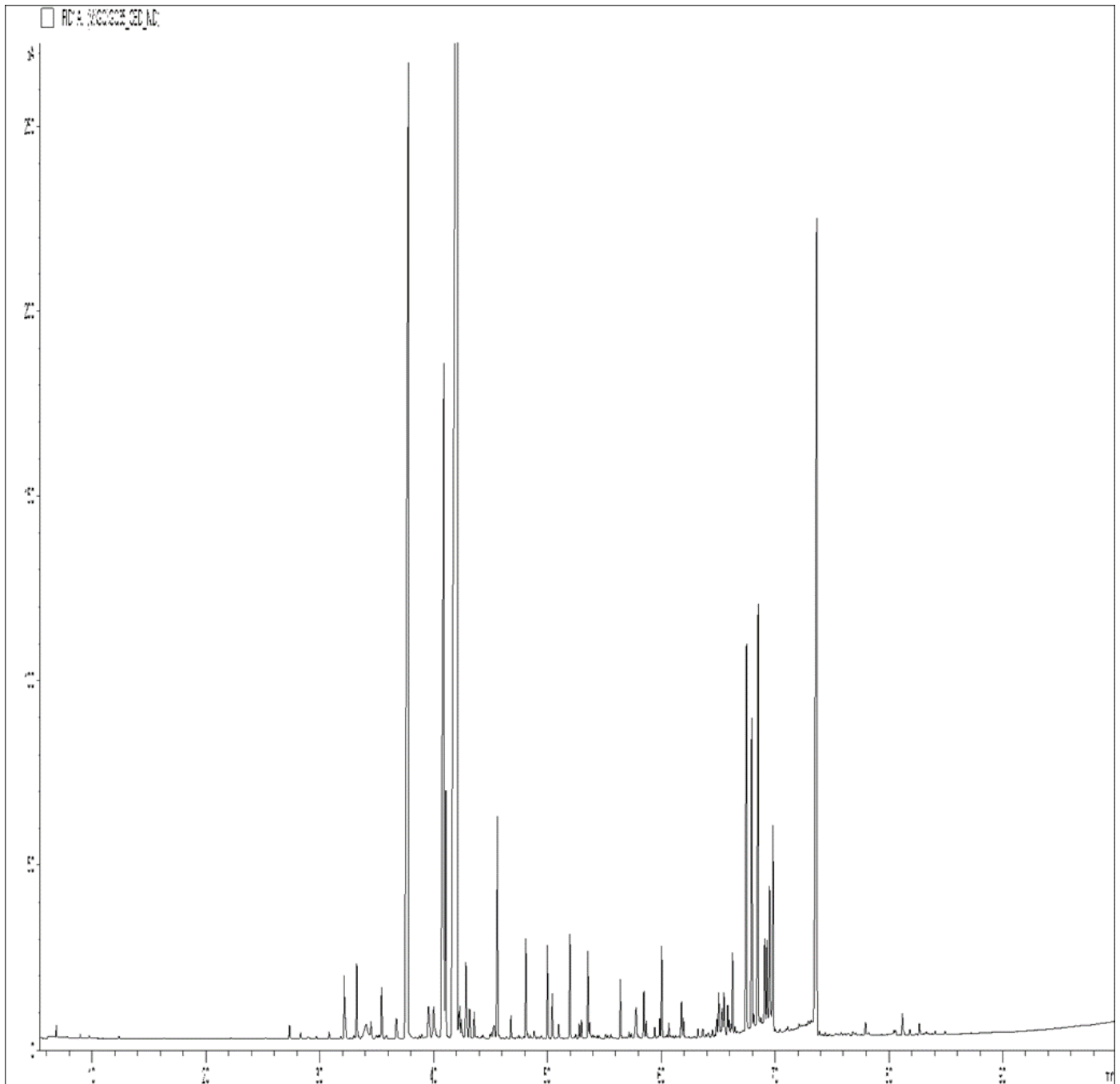


GCMS ANALYSIS

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

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 (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
1	6.87	alpha-PINENE	0.03
2	8.98	beta-PINENE	0.01
3	9.75	3-PENTEN-2-ONE, 4-METHYL-	0.01
4	12.37	LIMONENE	0.01
5	25.25	alpha,p-DIMETHYLSTYRENE	0.01
6	27.36	alpha-LONGIPINENE	0.08
7	28.34	YLANGENE	0.03
8	28.94	alpha-COPAENE	0.01
9	29.02	SESQUITERPENE	0.02
10	29.71	SESQUITERPENE	0.02
11	30.83	SATIVENE	0.04
12	31.87	BERGAMOTENE ISOMER	0.02
13	32.17	4-ACETYL-1-METHYLCYCLOHEXENE	0.37
14	32.26	CADINADIENE ISOMER	0.11
15	32.99	beta-FUNEBRENE	0.02
16	33.26	LONGIFOLENE	0.50
17	33.41	CEDRENE ISOMER	0.02
18	33.77	epsilon-CADINENE	0.02
19	34.09	EUDESMATRIENE ISOMER	0.39
20	34.51	alpha-trans-BERGAMOTENE	0.14
21	34.99	SESQUITERPENE	0.04
22	35.19	SESQUITERPENE Mw=202	0.02
23	35.31	SESQUITERPENE Mw=202	0.02
24	35.45	HIMACHALENE ISOMER	0.37
25	35.84	CEDRENE ISOMER	0.03
26	36.75	HIMACHALENE ISOMER	0.18
27	37.80	<b>alpha-HIMACHALENE</b>	<b>13.38</b>
28	37.85	SESQUITERPENE Mw=202	0.06
29	38.77	SESQUITERPENE	0.02
30	38.97	HIMACHALENE ISOMER	0.03

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
31	39.43	alpha-HUMULENE	0.02
32	39.56	E-beta-FARNESENE	0.24
33	39.60	HIMACHALENE ISOMER	0.15
34	39.91	SESQUITERPENE	0.02
35	40.02	HIMACHALENE ISOMER	0.28
36	40.12	HIMACHALENE ISOMER	0.08
37	40.92	<b>gamma-HIMACHALENE</b>	<b>8.31</b>
38	41.08	11-alpha-HIMACHALA-1,4-DIENE	1.62
39	42.11	<b>beta-HIMACHALENE</b>	<b>35.05</b>
40	42.22	SESQUITERPENE	0.13
41	42.31	CURCUMENE ISOMER	0.20
42	42.44	CEDRENE ISOMER	0.10
43	42.56	CADINADIENE ISOMER	0.04
44	42.85	ISOTHUYOPSENE	0.45
45	42.90	CURCUMENE ISOMER	0.16
46	43.17	EUDESMA-2,4,11-TRIENE ISOMERE	0.22
47	43.59	SESQUITERPENE Mw=202	0.16
48	43.89	beta-CURCUMENE	0.02
49	44.34	delta-CADINENE	0.02
50	44.97	SESQUITERPENE Mw=202	0.03
51	45.11	SESQUITERPENE Mw=202	0.05
52	45.25	p-METHYLACETOPHENONE	0.06
53	45.32	beta-SESQUIPELLANDRENE	0.12
54	45.62	trans-alpha-BISABOLENE	1.39
55	45.67	SESQUITERPENE	0.05
56	46.42	AROMATIC COMPOUND Mw=190	0.02
57	46.81	CYPERADIENE ISOMER	0.13
58	47.48	TETRAMETHYL DIHYDRO NAPHTALENE Mw=186	0.02
59	48.12	EUDESMA-2,4-11-TRIENE ISOMER	0.59
60	48.26	CUPARENE	0.04

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
61	48.48	CALAMENENE	0.02
62	48.84	AROMATIC COMPOUND	0.05
63	49.17	AROMATIC COMPOUND	0.02
64	49.48	AROMATIC COMPOUND	0.04
65	50.02	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	0.53
66	50.44	CADINA-1,6,8-TRIENE	0.28
67	50.99	CYCLOTERPENIC COMPOUND Mw=178	0.08
68	51.98	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	0.60
69	52.49	SESQUITERPENONE	0.03
70	52.82	AROMATIC COMPOUND	0.08
71	53.00	alpha-CALACORENE	0.11
72	53.57	VESTITENONE	0.50
73	53.73	CYCLOTERPENIC COMPOUND Mw=178	0.12
74	54.01	AROMATIC COMPOUND	0.03
75	54.40	AROMATIC COMPOUND Mw=208	0.02
76	55.12	AROMATIC COMPOUND Mw=220	0.03
77	55.31	beta-CALACORENE	0.02
78	56.43	AROMATIC KETONE Mw=218	0.34
79	57.18	IONONE ISOMER	0.04
80	57.35	SESQUITERPENOL	0.03
81	57.72	AROMATIC COMPOUND	0.05
82	57.80	AROMATIC COMPOUND Mw=238	0.19
83	57.82	SESQUITERPENIC OXIDE	0.12
84	58.00	AROMATIC COMPOUND	0.03
85	58.48	beta-HIMACHALENE OXIDE	0.29
86	58.68	AROMATIC COMPOUND	0.10
87	59.44	OXYGENED COMPOUND Mw=220	0.06
88	59.88	NEROLIDOL	0.10
89	60.06	METHOXYBENZYL ALCOHOL	0.57
90	60.50	AROMATIC COMPOUND	0.02

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GCMS ANALYSIS (cont'd.)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
91	60.68	AROMATIC COMPOUND Mw=200	0.09
92	61.26	AROMATIC COMPOUND	0.02
93	61.54	AROMATIC COMPOUND Mw=218	0.02
94	61.78	SESQUITERPENIC OXIDE	0.25
95	61.96	OXYGENED COMPOUND Mw=220	0.13
96	63.23	AROMATIC COMPOUND Mw=202	0.07
97	63.66	BENZONITRILE, 2,4-DIMETHOXY- Mw=163	0.09
98	63.97	COMPOUND Mw=250	0.03
99	64.15	SESQUITERPENIC OXIDE	0.06
100	64.50	AROMATIC COMPOUND Mw=220	0.04
101	64.89	SESQUITERPENOL	0.14
102	65.06	LONGIBORNEOL	0.33
103	65.35	HIMACHALOL ISOMER	0.20
104	65.52	AROMATIC COMPOUND	0.25
105	65.57	SESQUITERPENIC OXIDE	0.05
106	65.84	HIMACHALOL ISOMER	0.17
107	65.98	HIMACHALOL ISOMER	0.10
108	66.13	COMPOUND Mw=220	0.06
109	66.27	AROMATIC COMPOUND	0.49
110	66.47	OXYGENED COMPOUND Mw=220	0.05
111	67.49	<b>Z-alpha-ATLANTONE</b>	<b>2.85</b>
112	67.97	HIMACHALOL	1.99
113	68.12	AROMATIC COMPOUND	0.09
114	68.52	<b>Z-gamma-ATLANTONE</b>	<b>3.06</b>
115	68.76	CURCUMENIC COMPOUND	0.05
116	69.10	alpha-ATLANTONE	0.50
117	69.29	beta-ATLANTONE	0.47
118	69.52	ALLO-HIMACHALOL	0.92
119	69.95	<b>E-gamma-ATLANTONE</b>	<b>4.59</b>
120	70.02	COMPOUND Mw=216	0.02

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GCMS ANALYSIS (cont'd,)

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (HIMALAYAN) – 11024

Peak	RT (min)	Compound name	%
121	70.43	COMPOUND Mw=218	0.02
122	71.11	COMPOUND Mw=218	0.03
123	72.11	SESQUITERPENIC OXIDE	0.02
124	72.93	SESQUITERPENIC OXIDE	0.03
125	73.67	<b>E-alpha-ATLANTONE</b>	<b>11.54</b>
126	73.90	HIMACHALENOL ISOMER	0.05
127	74.40	SESQUITERPENIC OXIDE	0.03
128	76.84	COMPOUND Mw=236	0.04
129	77.11	AROMATIC COMPOUND	0.02
130	77.96	HIMACHALENOL ISOMER	0.09
131	78.20	AROMATIC COMPOUND	0.04
132	80.43	ALIPHATIC ALCOHOL	0.04
133	80.60	AROMATIC COMPOUND	0.05
134	81.20	VETISELINENOL ISOMER	0.18
135	81.84	COMPOUND Mw=178	0.04
136	82.68	OXYGENED COMPOUND Mw=220	0.08
137	84.08	AROMATIC COMPOUND	0.02
138	84.93	AROMATIC COMPOUND	0.03
		<b>TOTAL</b>	<b>99.77</b>

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