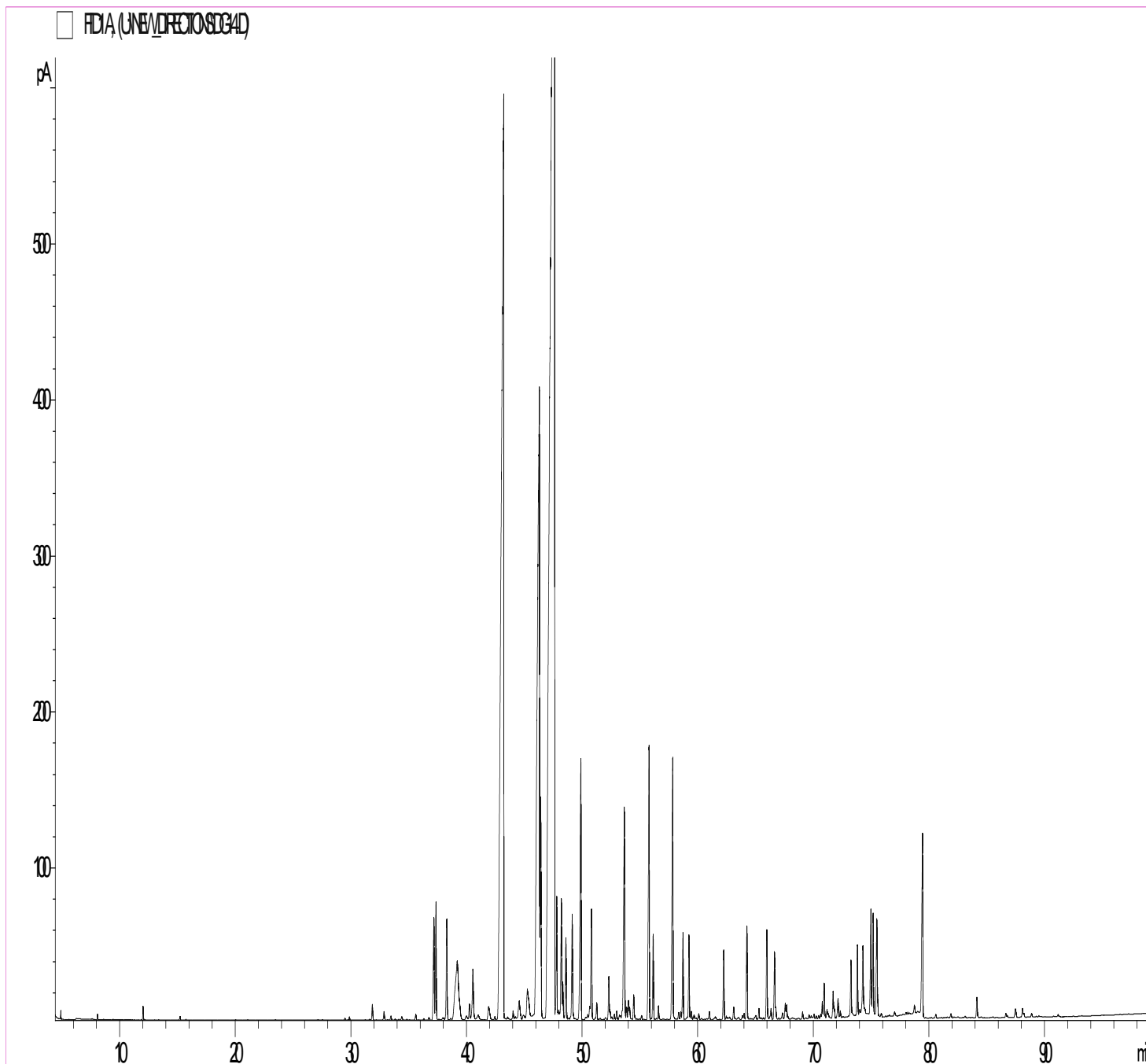


GCMS ANALYSIS

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) - 11194

DATE: November 26, 2020



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

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) – 11194

Peak	RT (min)	Compound name	%
1	4,91	ACETONE	0,03
2	8,08	alpha-PINENE	0,02
3	12,03	3-PENTEN-2-ONE, 4-METHYL-	0,06
4	15,23	LIMONENE	0,02
5	29,50	3-METHYL-3-CYCLOHEXENONE	0,01
6	29,88	alpha-p-DIMETHYLSTYRENE	0,02
7	31,86	alpha-LONGIPINENE	0,09
8	32,88	YLANGENE	0,06
9	33,47	alpha-COPAENE	0,03
10	34,41	SESQUITERPENE	0,03
11	35,62	SATIVENE	0,04
12	36,75	alpha-GURJUNENE	0,02
13	37,19	CADINADIENE ISOMER	0,71
14	37,37	4-ACETYL-1-METHYLCYCLOHEXENE	0,68
15	37,95	beta-FUNEBRENE	0,02
16	38,30	LONGIFOLENE	0,62
17	38,64	CEDRENE ISOMER	0,01
18	39,19	SESQUITERPENE Mw=202	1,48
19	39,98	beta-CUBEBENE	0,05
20	40,25	SESQUITERPENE	0,11
21	40,55	CURCUMENE ISOMER	0,46
22	41,00	LONGIPINENE ISOMER	0,08
23	41,91	HIMACHALADIENE ISOMER	0,17
24	42,44	HIMACHALENE ISOMER	0,02
25	43,21	alpha-HIMACHALENE	16,73
26	43,55	COUMPOUND Mw=220	0,03
27	44,02	SESQUITERPENE Mw=202	0,06
28	44,22	HIMACHALADIENE ISOMER	0,03
29	44,56	E-beta-FARNESENE	0,25
30	44,92	HIMACHALADIENE ISOMER	0,07

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Peak	RT (min)	Compound name	%
31	45,26	SESQUITERPENE	0,50
32	46,30	gamma-HIMACHALENE	10,19
33	46,42	11-alpha-HIMACHALA-1,4-DIENE	1,46
34	47,61	beta-HIMACHALENE	39,42
35	47,68	SESQUITERPENE	0,03
36	47,80	SESQUITERPENE	0,68
37	47,98	CADINADIENE ISOMER	0,06
38	48,20	ISOTHUYOPSENE	0,75
39	48,32	CURCUMENE ISOMER	0,22
40	48,60	EUDESMA-2,4,11-TRIENE ISOMER	0,56
41	49,14	SESQUITERPENE Mw=202	0,69
42	49,89	delta-CADINENE	2,06
43	50,30	SESQUITERPENE Mw=202	0,01
44	50,38	SESQUITERPENE Mw=202	0,01
45	50,49	p-METHYLACETOPHENONE	0,04
46	50,65	alpha-CURCUMENE	0,07
47	50,81	trans-alpha-BISABOLENE	0,80
48	51,26	CADINA-1,4-DIENE	0,10
49	52,01	SESQUITERPENE Mw=202	0,02
50	52,31	SESQUITERPENE Mw=202	0,27
51	52,42	SESQUITERPENE	0,04
52	52,56	IONONE ISOMER	0,02
53	52,79	SESQUITERPENE	0,04
54	52,98	IONONE ISOMER	0,06
55	53,23	AROMATIC COMPOUND Mw=186	0,03
56	53,32	SESQUITERPENE Mw=202	0,02
57	53,42	SESQUITERPENE Mw=202	0,03
58	53,65	EUDESMA-2,4,11-TRIENE ISOMERE	1,66
59	53,86	cis-CALAMENENE	0,08
60	54,01	trans-CALAMENENE	0,11

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PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) – 11194

Peak	RT (min)	Compound name	%
61	54,11	AROMATIC COMPOUND Mw=204	0,08
62	54,46	SESQUITERPENIC EPOXIDE	0,17
63	55,14	AROMATIC COMPOUND Mw=202	0,02
64	55,79	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	1,98
65	56,14	CADINA-1,6,8-TRIENE	0,51
66	56,60	CYCLOTERPENIC COMPOUND Mw=178	0,08
67	57,83	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	1,87
68	58,35	SESQUITERPENONE	0,05
69	58,54	AROMATIC COMPOUND Mw=160	0,05
70	58,72	alpha-CALACORENE	0,52
71	59,24	VESTITENONE Mw=178	0,52
72	59,45	SESQUITERPENONE	0,05
73	59,68	SESQUITERPENIC EPOXIDE	0,04
74	59,87	SESQUITERPENIC EPOXIDE	0,02
75	60,09	AROMATIC COMPOUND Mw=208	0,04
76	60,31	SESQUITERPENONE	0,01
77	61,00	AROMATIC COMPOUND Mw=200	0,06
78	61,52	AROMATIC COMPOUND Mw=236	0,03
79	62,24	AROMATIC COMPOUND Mw=218	0,43
80	62,47	SESQUITERPENOL	0,02
81	62,60	AROMATIC COMPOUND Mw=202	0,01
82	62,75	SESQUITERPENIC EPOXIDE	0,02
83	63,11	AROMATIC COMPOUND Mw=178	0,08
84	63,54	AROMATIC COMPOUND Mw=218	0,02
85	63,87	AROMATIC COMPOUND Mw=220	0,03
86	64,25	beta-HIMACHALENE OXIDE	0,60
87	65,01	AROMATIC COMPOUND Mw=220	0,04
88	65,29	AROMATIC COMPOUND Mw=220	0,07
89	65,97	METHOXYBENZYL ALCOHOL	0,60
90	66,34	AROMATIC COMPOUND Mw=220	0,09

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Peak	RT (min)	Compound name	%
91	66,64	AROMATIC COMPOUND Mw=220	0,43
92	66,74	AROMATIC COMPOUND Mw=220	0,06
93	67,32	SESQUITERPENIC EPOXIDE	0,05
94	67,57	AROMATIC COMPOUND Mw=220	0,11
95	67,69	AROMATIC COMPOUND Mw=220	0,09
96	69,06	AROMATIC COMPOUND Mw=202	0,05
97	69,62	ALIPHATIC ALCOHOL	0,03
98	69,81	ALIPHATIC ESTER	0,03
99	69,94	AROMATIC COMPOUND Mw=202	0,01
100	70,06	AROMATIC COMPOUND Mw=220	0,03
101	70,24	AROMATIC COMPOUND Mw=202	0,02
102	70,45	AROMATIC COMPOUND Mw=220	0,02
103	70,63	ESTER ALIPHATIQUE Mw=236	0,03
104	70,77	SESQUITERPENOL	0,10
105	70,93	LONGIBORNEOL	0,24
106	71,18	HIMACHALOL ISOMER	0,06
107	71,29	AROMATIC COMPOUND Mw=164	0,03
108	71,71	AROMATIC COMPOUND	0,19
109	71,81	HIMACHALOL ISOMER	0,05
110	72,13	AROMATIC COMPOUND	0,14
111	72,33	AROMATIC COMPOUND	0,04
112	73,25	Z-alpha-ATLANTONE	0,38
113	72,93	E-gamma-ATLANTONE	1,38
114	73,81	HIMACHALOL	0,35
115	74,01	AROMATIC COMPOUND Mw=218	0,03
116	74,28	Z-gamma-ATLANTONE	0,45
117	74,41	GUAIAZULENE	0,03
118	74,97	alpha-ATLANTONE	0,68
119	75,17	beta-ATLANTONE	0,66
120	75,48	SESQUITERPENOL	0,47

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Peak	RT (min)	Compound name	%
121	75,49	SESQUITERPENIC EPOXIDE	0,24
122	75,87	SESQUITERPENIC EPOXIDE	0,03
123	77,01	TUMERONE ISOMER	0,04
124	78,73	AROMATIC COMPOUND Mw=218	0,07
125	79,44	E-alpha-ATLANTONE	2,82
126	80,58	SESQUITERPENIC OXIDE	0,03
127	81,57	COMPOUND Mw=216	0,01
128	81,89	AROMATIC COMPOUND	0,04
129	82,49	SESQUITERPENOL	0,01
130	83,13	AROMATIC COMPOUND	0,02
131	84,14	AROMATIC COMPOUND Mw=218	0,14
132	86,65	AROMATIC COMPOUND Mw=216	0,03
133	86,76	OXYGENED COMPOUND Mw=220	0,01
134	87,47	OXYGENED COMPOUND Mw=220	0,08
135	88,09	OXYGENED COMPOUND Mw=220	0,06
136	88,21	SESQUITERPENONE	0,03
137	88,88	OXYGENED COMPOUND Mw=220	0,03
		TOTAL	100,00

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