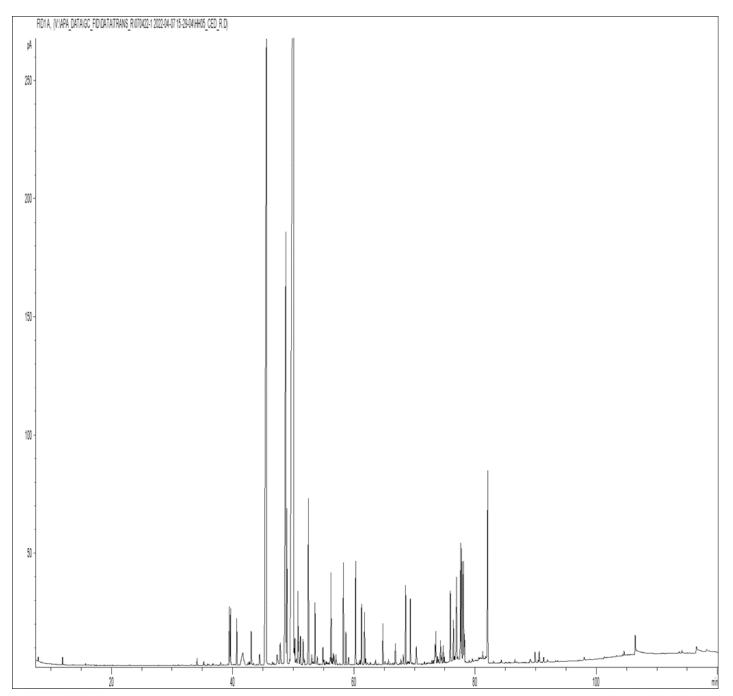


GCMS ANALYSIS

PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) - 11194

DATE: April 22, 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,





PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) - 11194

Peak	RT (min)	Compound name	%
1	7,93	alpha-PINENE	0,03
2	11,96	3-PENTEN-2-ONE, 4-METHYL-	0,07
3	15,74	LIMONENE	0,01
4	34,13	alpha-LONGIPINENE	0,07
5	35,25	YLANGENE	0,04
6	35,88	alpha-COPAENE	0,02
7	36,75	alpha-GURJUNENE	0,02
8	38,01	SATIVENE	0,03
9	38,43	AROMATIC COMPOUND	0,01
10	39,14	SESQUITERPENE	0,02
11	39,44	4-ACETYLCYCLOHEX-1-ENE, 1-METHYL-	0,56
12	39,64	CADINADIENE ISOMER	0,60
13	40,67	LONGIFOLENE	0,50
14	41,66	EUDESMATRIENE ISOMER	0,60
15	41,96	SESQUITERPENE Mw=202	0,03
16	42,55	SESQUITERPENE	0,04
17	42,75	SESQUITERPENE	0,04
18	42,90	SESQUITERPENE	0,02
19	43,05	CEDRENE ISOMER	0,40
20	43,44	SESQUITERPENE	0,03
21	44,43	HIMACHALENE ISOMER	0,18
22	45,57	alpha-HIMACHALENE	15,45
23	46,11	SESQUITERPENE Mw=202	0,03
24	46,57	CADINENE ISOMER	0,04
25	46,79	SESQUITERPENE	0,03
26	47,33	E-beta-FARNESENE	0,27
27	47,85	HIMACHALENE ISOMER	0,34
28	47,96	CURCUMENE ISOMER	0,07
29	48,78	gamma-HIMACHALENE	9,18
30	48,95	11-alpha-HIMACHALA-1,4-DIENE	1,70

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PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) - 11194

Peak	RT (min)	Compound name	%
31	49,39	SESQUITERPENE	0,06
32	50,06	beta-HIMACHALENE	41,35
33	50,14	HIMACHALENE ISOMER	0,16
34	50,27	SESQUITERPENE Mw=202	0,28
35	50,40	HIMACHALENE ISOMER	0,04
36	50,50	SESQUITERPENE	0,09
37	50,76	ISOTHUYOPSENE	0,75
38	50,87	COMPOUND Mw=222	0,27
39	51,16	SESQUITERPENE Mw=202	0,35
40	51,61	SESQUITERPENE Mw=202	0,26
41	51,82	SESQUITERPENE Mw=202	0,07
42	52,50	delta-CADINENE	1,86
43	52,87	SESQUITERPENE	0,02
44	53,02	SESQUITERPENE Mw=202	0,15
45	53,21	SESQUITERPENE Mw=202	0,04
46	53,30	SESQUITERPENE Mw=202	0,02
47	53,42	p-METHYLACETOPHENONE	0,04
48	53,58	trans-alpha-BISABOLENE	0,60
49	53,94	CADINA-1,4-DIENE	0,10
50	54,26	CALAMENENE ISOMER	0,02
51	54,54	CALAMENENE ISOMER	0,02
52	54,89	SESQUITERPENE Mw=202	0,18
53	55,03	GERMACRENE B	0,06
54	55,22	KETONIC COMPOUND	0,03
55	55,40	SESQUITERPENE Mw=202	0,05
56	55,59	AROMATIC COMPOUND	0,03
57	55,79	TETRAMETHYL DIHYDRO NAPHTALENE Mw=186	0,03
58	56,07	SESQUITERPENE Mw=202	0,07
59	56,23	EUDESMA-2,4,11-TRIENE ISOMER	0,97
60	56,41	cis-CALAMENENE	0,08

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PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) - 11194

Peak	RT (min)	Compound name	%
61	56,61	trans-CALAMENENE	0,12
62	56,73	AROMATIC COMPOUND	0,09
63	57,05	AROMATIC COMPOUND	0,10
64	57,10	SESQUITERPENE Mw=202	0,03
65	57,66	COMPOUND Mw=200	0,02
66	58,26	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	1,02
67	58,67	CADINA-1,6,8-TRIENE	0,33
68	59,07	SESQUITERPENE Mw=202	0,03
69	59,12	TERPENIC COMPOUND	0,08
70	60,29	OCTAHYDRO METHYLPHENANTHRENE ISOMER Mw=200	1,04
71	60,53	AROMATIC COMPOUND	0,03
72	60,85	SESQUITERPENONE	0,03
73	61,02	AROMATIC COMPOUND	0,05
74	61,27	alpha-CALACORENE	0,61
75	61,65	SESQUITERPENONE	0,01
76	61,76	VESTITENONE	0,51
77	61,94	TERPENIC COMPOUND	0,07
78	62,72	AROMATIC COMPOUND Mw=208	0,02
79	63,57	beta-CALACORENE	0,05
80	64,79	AROMATIC KETONE Mw=218	0,43
81	65,11	CALAMENENE ISOMER	0,05
82	65,37	SESQUITERPENONE	0,01
83	65,51	SESQUITERPENIC EPOXIDE	0,02
84	65,71	SESQUITERPENIC EPOXIDE	0,06
85	66,08	AROMATIC COMPOUND	0,02
86	66,40	ALIPHATIC ESTER	0,02
87	66,64	AROMATIC ESTER	0,02
88	66,84	OXYGENED COMPOUND Mw=220	0,23
89	66,96	OXYGENED COMPOUND Mw=220	0,02
90	67,54	AROMATIC COMPOUND	0,02

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PRODUCT NAME: CEDARWOOD ESSENTIAL OIL (ATLAS) – 11194

Peak	RT (min)	Compound name	%
91	67,76	COMPOUND Mw=218	0,06
92	68,14	SESQUITERPENIC EPOXIDE	0,11
93	68,53	METHOXYBENZYL ALCOHOL	0,83
94	68,76	AROMATIC COMPOUND Mw=200	0,03
95	68,90	NEROLIDOL	0,05
96	69,05	SESQUITERPENOL	0,05
97	69,32	CUBENOL	0,69
98	69,48	COMPOUND Mw=234	0,02
99	69,64	p-CRESOL	0,02
100	70,15	SESQUITERPENOL	0,02
101	70,28	OXYGENED COMPOUND Mw=220	0,11
102	70,32	OXYGENED COMPOUND Mw=220	0,18
103	71,22	AROMATIC COMPOUND	0,01
104	71,65	SESQUITERPENOL	0,03
105	71,95	SESQUITERPENOL	0,02
106	72,13	AROMATIC COMPOUND	0,03
107	72,32	beta-COPAEN-4-alpha-OL	0,01
108	72,38	AROMATIC COMPOUND	0,03
109	72,64	AROMATIC COMPOUND	0,02
110	72,88	ALIPHATIC ESTER	0,05
111	73,12	TERPENIC COMPOUND	0,04
112	73,31	EUDESMOL ISOMER	0,04
113	73,38	SESQUITERPENIC EPOXIDE	0,21
114	73,51	LONGIBORNEOL	0,37
115	73,79	HIMACHALOL ISOMER	0,12
116	73,95	SESQUITERPENIC EPOXIDE	0,09
117	74,29	OXYGENED COMPOUND Mw=220	0,25
118	74,44	SESQUITERPENE	0,12
119	74,73	AROMATIC COMPOUND	0,22
120	74,93	AROMATIC COMPOUND	0,09

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Peak	RT (min)	Compound name	%
121	75,91	TURMERONE ISOMER	0,77
122	76,41	HIMACHALOL	0,41
123	76,59	AROMATIC COMPOUND Mw=190	0,04
124	76,83	CADALENE ISOMER	0,10
125	76,94	ATLANTONE ISOMER	0,84
126	77,15	alpha-BISABOLOL	0,03
127	77,60	Z-alpha-ATLANTONE	1,29
128	77,79	beta-ATLANTONE	1,19
129	78,06	ALLO-HIMACHALOL	0,99
130	78,18	ATLANTONE ISOMER	1,74
131	78,41	AROMATIC COMPOUND	0,02
132	78,77	SESQUITERPENOL	0,01
133	79,03	COMPOUND Mw=238	0,03
134	79,53	SESQUITERPENOL	0,04
135	80,58	SESQUITERPENOL	0,04
136	80,77	SESQUITERPENONE	0,03
137	81,25	SESQUITERPENOL	0,09
138	81,52	SESQUITERPENONE	0,01
139	81,75	AROMATIC COMPOUND	0,03
140	82,08	E-alpha-ATLANTONE	3,86
141	82,53	SESQUITERPENONE	0,01
142	83,00	SESQUITERPENONE	0,02
143	83,14	OXYGENED COMPOUND Mw=220	0,01
144	84,07	AROMATIC COMPOUND	0,02
145	84,33	AROMATIC COMPOUND	0,04
146	84,98	AROMATIC COMPOUND	0,01
147	85,17	COMPOUND Mw=200	0,01
148	85,68	SESQUITERPENOL	0,01
149	86,57	AROMATIC COMPOUND	0,05
150	86,85	OXYGENED COMPOUND Mw=220	0,03

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Peak	RT (min)	Compound name	%
151	89,05	KETONIC COMPOUND	0,03
152	89,11	AROMATIC COMPOUND	0,03
153	89,22	AROMATIC COMPOUND	0,02
154	89,88	SESQUITERPENIC EPOXIDE	0,14
155	90,41	OXYGENED COMPOUND Mw=220	0,03
156	90,58	AROMATIC COMPOUND	0,12
157	91,32	OXYGENED COMPOUND Mw=220	0,07
158	91,96	SESQUITERPENOL	0,03
159	93,27	SESQUITERPENIC EPOXIDE	0,02
160	93,61	AROMATIC COMPOUND	0,02
161	98,00	AROMATIC COMPOUND	0,05
162	101,34	AROMATIC COMPOUND	0,03
163	103,36	SESQUITERPENOL	0,02
164	104,57	AROMATIC COMPOUND	0,06
165	113,66	ALIPHATIC ESTER	0,02
166	114,13	AROMATIC ESTER	0,04
		TOTAL	99,93

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