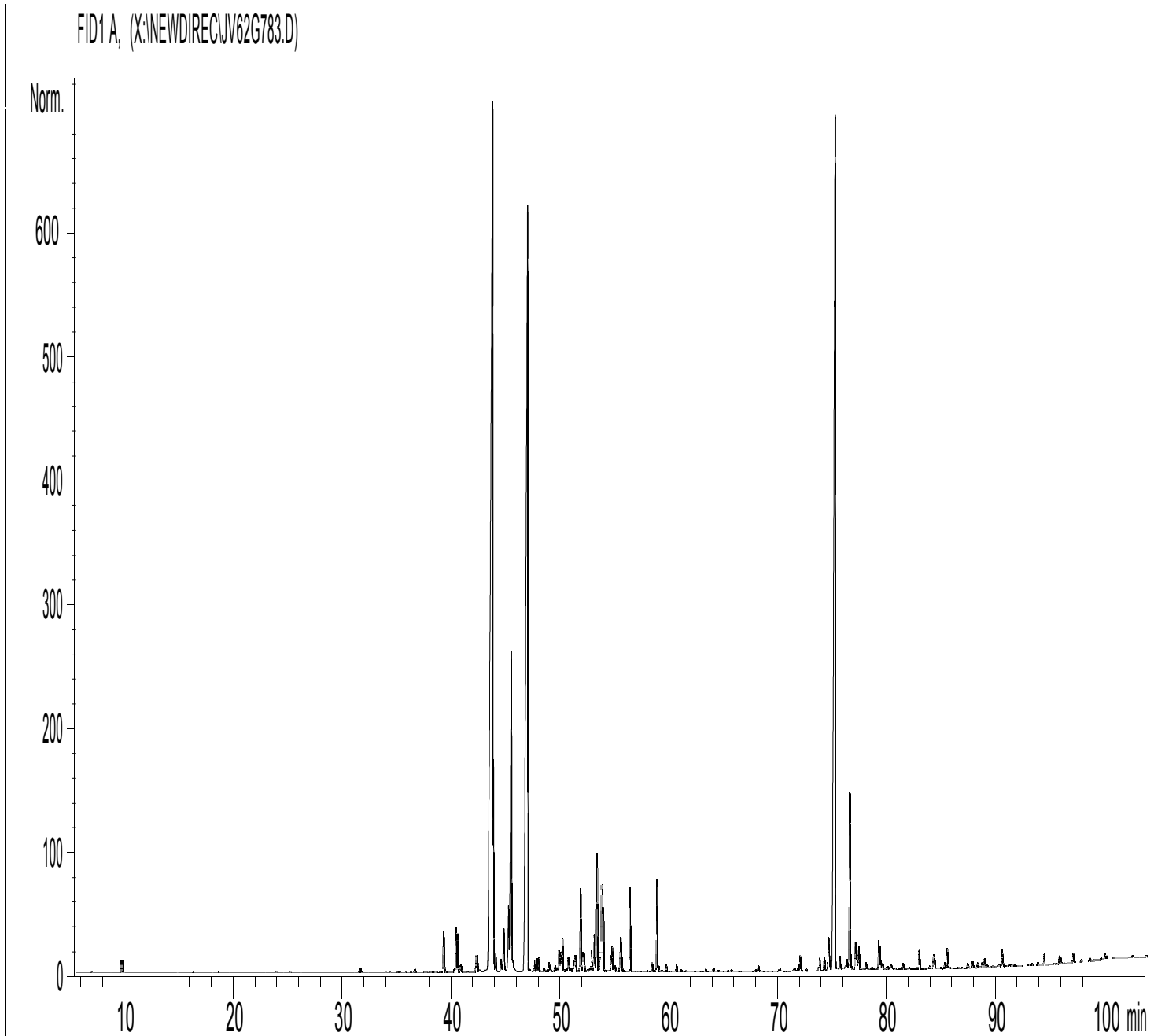


GCMS ANALYSIS

Product Name: Cedarwood Essential Oil (Virginian)
Date: April 6, 2017



Product Name: Cedarwood Essential Oil (Virginian) Cont'd
Date: April 6, 2017

Pea	RT (min)	Compound name	%
1	9,7	α -PINENE	0,09
2	18,5	LIMONENE	0,01
3	23,8	TERPINOLENE	0,01
4	31,6	SESQUITERPENE	0,05
5	34,2	α , p -DIMETHYLSTYRENE	0,01
6	35,1	SESQUITERPENE	0,02
7	36,5	THUYOPSENE ISOMER	0,05
8	38,2	SESQUITERPENE	0,02
9	39,2	CEDRENE ISOMER	0,61
10	39,6	α -ISOCOMENE	0,01
11	40,4	CEDRENE ISOMER	0,77
12	40,8	β -BERGAMOTENE ISOMER	0,16
13	42,2	CEDRENE ISOMER	0,27
14	42,5	BERGAMOTENE ISOMER	0,06
15	43,7	α-CEDRENE	27,70
16	43,8	β -FUNEBRENE	1,52
17	44,0	SELINADIENE ISOMER	0,26
18	44,5	SESQUITERPENE Mw=202	0,18
19	44,8	GURJUNENE ISOMER	0,71
20	45,2	β -CARYOPHYLLENE	0,94
21	45,5	β-CEDRENE + MUUROLENE ISOMER	5,28
22	45,5	ELEMENE ISOMER	0,27
23	47,0	THUYOPSENE	20,00
24	47,1	HIMACHALENE ISOMER	0,06
25	47,5	PREZIZA-7-ENE	0,15
26	47,8	SESQUITERPENE Mw=202	0,18
27	48,0	α -HIMACHALENE	0,20
28	48,5	SESQUITERPENE	0,09
29	48,8	CURCUMENE ISOMER	0,10
30	49,4	E- β -FARNESENE	0,12
31	49,6	SEQUITERPENE + α -HUMULENE	0,09
32	49,8	ACORADIENE ISOMER	0,30

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Product Name: Cedarwood Essential Oil (Virginian) Cont'd
Date: April 6, 2017

Pea	RT (min)	Compound name	%
33	50,0	CURCUMENE ISOMER	0,29
34	50,2	γ -CURCUMENE	0,48
35	50,5	CEDRENE ISOMER	0,07
36	50,6	CURCUMENE ISOMER	0,23
37	51,2	SESQUITERPENE Mw=202	0,15
38	51,3	α -TERPINEOL	0,29
39	51,8	β -CHAMIGRENE	1,10
40	52,1	HIMACHALENE ISOMER	0,30
41	52,6	SESQUITERPENE	0,05
42	52,8	β -SELINENE	0,37
43	53,1	β -BISABOLENE + α -MUUROLENE	0,54
44	53,3	CHAMIGRENE ISOMER + α -SELINENE	1,57
45	53,6	SESQUITERPENE	0,15
46	53,7	β -HIMACHALENE	1,17
47	53,8	α -CHAMIGRENE	0,70
48	54,3	Cis-THUYOPSENE	0,06
49	54,6	FARNESENE ISOMER	0,19
50	54,7	δ -CADINENE	0,34
51	54,9	γ -CADINENE	0,07
52	55,0	SESQUITERPENE	0,09
53	55,4	ELEMENE ISOMER	0,50
54	55,5	α -CURCUMENE	0,17
55	55,8	SELINADIENE ISOMER	0,05
56	56,4	ISOTHUYOPSENE	1,07
57	56,9	α -AMORPHENE	0,02
58	57,9	SESQUITERPENE	0,03
59	58,2	SESQUITERPENE	0,01
60	58,4	SESQUITERPENE	0,12
61	58,7	ALKYL COMPONENT	0,08
62	58,9	CUPARENE	1,10
63	59,2	CALAMENENE	0,04
64	59,6	AROMATIC COMPONENT	0,08

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Product Name: Cedarwood Essential Oil (Virginian) Cont'd
Date: April 6, 2017

Pea	RT (min)	Compound name	%
65	60,6	AROMATIC COMPONENT	0,09
66	61,0	COMPONENT Mw=220	0,05
67	61,4	COMPONENT Mw=220	0,02
68	63,4	PHENOLIC COMPONENT	0,03
69	64,0	α -CALACORENE	0,05
70	65,6	SESQUITERPENOL Mw=222	0,02
71	57,8	SESQUITERPENE Mw=222	0,02
72	68,1	CARYOPHYLLENE EPOXIDE	0,09
73	70,0	NEROLIDOL	0,05
74	71,5	CARYOPHYLLENOL	0,06
75	71,8	WIDDROL ISOMER + LEVOJUNOL	0,11
76	72,0	CUBEBOL + SESQUITERPENOL Mw=222	0,22
77	72,5	ELEMOL	0,02
78	73,6	SESQUITERPENOL Mw=220	0,07
79	73,8	CEDROL ISOMER	0,18
80	74,2	SESQUITERPENOL Mw=222	0,18
81	74,6	SESQUITERPENOL Mw=222	0,63
82	75,2	CEDROL	18,87
83	75,6	CEDRENOL ISOMER	0,19
84	76,3	SESQUITERPENOL Mw=220	0,21
85	76,5	WIDDROL	2,36
86	77,0	CEDROL ISOMER	0,47
87	77,2	SESQUITERPENOL Mw=220	0,18
88	77,4	CEDRYL ACETATE	0,37
89	78,0	α -MUUROL	0,10
90	78,6	SESQUITERPENONE Mw=218	0,03
91	78,7	δ -CADINENE	0,03
92	79,0	CARVACROL	0,02
93	79,2	α -BISABOL	0,33
94	79,4	HIMACHALOL ISOMER	0,12
95	79,5	SESQUITERPENONE Mw=218	0,07
96	79,9	α -EUDESMOL	0,04

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Product Name: Cedarwood Essential Oil (Virginian) Cont'd
Date: April 6, 2017

Pea	RT (min)	Compound name	%
97	80,0	α -CADINOL	0,05
98	80,2	β -EUDESMOL	0,13
99	80,5	MAALIOL	0,03
100	80,8	PHENOLIC COMPONENT	0,04
101	81,4	EUDESMA-7-EN-4-OL	0,10
102	81,9	SESQUITERPENOL AROMATIC Mw=222	0,04
103	82,4	CHAMIGRENOL Mw=222	0,04
104	82,6	SESQUITERPENOL Mw=220	0,02
105	82,9	CURCUMENIC SESQUITERPENE	0,26
106	83,8	SESQUITERPENOL Mw=222	0,05
107	84,2	SOLAVETIVONE Mw=218	0,15
108	84,3	SESQUITERPENIC EPOXIDE	0,13
109	84,4	SESQUITERPENOL Mw=220	0,05
110	84,8	SESQUITERPENOL Mw=222	0,02
111	85,2	SESQUITERPENIC EPOXIDE	0,08
112	85,5	COMPONENT Mw=220	0,29
113	87,4	SESQUITERPENOL Mw=222	0,08
114	87,8	COMPONENT Mw=220	0,11
115	88,3	SESQUITERPENOL Mw=220	0,09
116	88,6	COMPONENT Mw=220	0,08
117	88,9	α -CEDRENOL	0,11
118	89,1	COMPONENT Mw=220	0,04
119	90,5	SESQUITERPENOL Mw=220	0,27
120	94,4	NOOTKATONE	0,15
121	95,7	SESQUITERPENOL Mw=220	0,15
122	97,0	SESQUITERPENOL Mw=220	0,13
123	100,0	AROMATIC COMPONENT Mw=218	0,07
124	102,5	AROMATIC COMPONENT	0,03
125	103,7	AROMATIC COMPONENT	0,02
		TOTAL	99,86

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