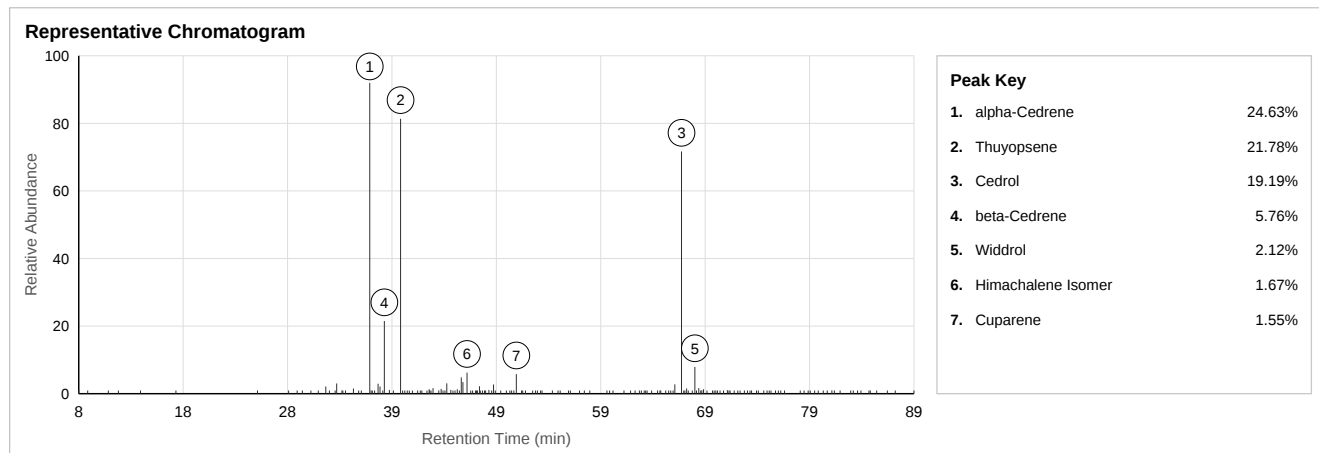


GC-MS Composition Profile

Product Name	Cedarwood Virginian
Botanical Name	Juniperus virginiana
INCI Name	Juniperus Virginiana Oil
Country of Origin	United States
CAS Number	8000-27-9
Analysis Date	August 16, 2025
Profile Type	Typical / representative composition profile; natural lots may vary.

Representative Chromatogram



Peak Composition Table

Peak	RT (min)	Compound	Typical %
1	8.01	alpha-Pinene	0.11
2	8.88	alpha-Fenchene	0.02
3	10.89	Pinadiene	0.01
4	11.87	Delta3-Carene	0.01
5	14.02	Limonene	0.02
6	17.47	P-Cymene	0.02
7	25.41	Sesquiterpene	0.03
8	28.44	Sesquiterpene	0.01
9	29.27	Patchoulene Isomer	0.01
10	29.78	Sesquiterpene	0.04
11	30.61	beta-Patchoulene	0.02
12	31.33	alpha-Copaene	0.02
13	32.06	Cedrene Isomer	0.57
14	32.41	Cedrene Isomer	0.05
15	32.97	Sesquiterpene	0.11
16	33.12	Cedrene Isomer	0.81
17	33.63	Sesquiterpene	0.02
18	33.72	Sesquiterpene	0.02
19	33.98	Bergamotene Isomer	0.13
20	34.75	Curcumene Isomer	0.41
21	35.26	Sesquiterpene	0.03
22	35.52	Bergamotene Isomer	0.11
23	36.34	alpha-Cedrene	24.63
25	36.47	Sesquiterpene	0.11
26	36.59	Sesquiterpene	0.17
27	36.81	Sesquiterpene	0.08
28	37.15	Cedrene Isomer	0.79
30	37.34	beta-Elemene	0.57
31	37.61	Methyl Thymol Ether	0.19
32	37.76	beta-Cedrene	5.76

Peak	RT (min)	Compound	Typical %
34	38.25	Sesquiterpene	0.30
35	38.64	Sesquiterpene	0.11
36	39.34	Thuyopsene	21.78
37	39.54	Sesquiterpene	0.05
38	39.75	Preziza-7-Ene	0.15
39	39.99	Compound Mw=202	0.14
40	40.19	alpha-Himachalene	0.24
41	40.49	Sesquiterpene	0.10
42	41.00	Sesquiterpene	0.05
43	41.26	Sesquiterpene	0.05
44	41.41	Allo-Aromadendrene	0.15
45	41.91	Farnesene Isomer	0.17
46	42.12	Curcumene Isomer	0.35
47	42.18	Sesquiterpene	0.15
48	42.30	gamma-Selinene	0.20
49	42.50	Curcumene Isomer	0.44
50	43.06	gamma-Murolene	0.26
51	43.29	gamma-Curcumene	0.38
53	43.47	11-alpha-Himachala-1,4-Diene	0.20
54	43.66	Sesquiterpene	0.21
55	43.84	beta-Chamigrene	0.82
56	44.23	beta-Himachalene	0.30
57	44.44	Sesquiterpene	0.05
58	44.64	Himachalene Isomer	0.11
59	44.86	beta-Selinene	0.35
60	45.07	alpha-Zingiberene	0.02
61	45.25	Chamigrene Isomer	1.29
63	45.41	Terpenic Compound	0.92
64	45.81	Himachalene Isomer	1.67
65	46.17	beta-Curcumene	0.16
66	46.35	Compound Mw=202	0.12
67	46.64	Terpenic Compound	0.04
68	46.73	Sesquiterpene	0.03
69	46.82	Aliphatic Ester	0.07
70	47.02	Delta-Cadinene	0.59
71	47.10	gamma-Cadinene	0.22
72	47.31	Sesquiterpene	0.25
73	47.51	Sesquiterpene	0.04
74	47.62	Sesquiterpene	0.02
75	47.94	alpha-Curcumene	0.30
77	48.21	Trans-alpha-Bisabolene	0.05
78	48.39	Himachalene Isomer	0.73
79	48.56	Myrtenol	0.05
80	49.09	alpha-Amorphene	0.04
81	49.64	Aromatic Compound	0.01
82	49.98	Terpenic Compound	0.01
83	50.15	Terpenic Compound	0.09
84	50.37	Curcumene Isomer	0.02
85	50.61	Cuparene	1.55
86	51.12	Cis-Calamenene	0.02
87	51.23	Trans-Calamenene	0.04
88	51.50	Aromatic Compound	0.10
89	52.20	Aromatic Compound	0.08
90	52.48	8,14-Cedranoxide	0.03
91	52.66	alpha-Dehydro-Ar-Himachalene	0.01
92	52.97	Sesquiterpenic Oxide	0.02
93	53.11	Compound Mw=202	0.02
94	54.12	Aromatic Compound	0.01
95	54.67	gamma-Dehydro-Ar-Himachalene	0.02
96	54.88	Aromatic Compound	0.04

Peak	RT (min)	Compound	Typical %
97	55.69	alpha-Calacorene	0.07
98	55.87	Compound Mw=220	0.05
99	56.76	Compound Mw=220	0.04
100	57.23	Compound Mw=222	0.06
101	57.76	Aromatic Compound	0.01
102	59.43	Caryophyllene Oxide	0.02
103	59.69	Compound Mw=222	0.01
104	60.02	Compound Mw=218	0.04
105	61.09	Ketonic Compound	0.02
106	61.73	Sesquiterpenic Compound	0.01
107	62.17	Compound Mw=222	0.01
108	62.59	Nerolidol	0.06
109	62.78	Compound Mw=220	0.03
110	63.06	Caryophyllenol	0.04
111	63.20	Sesquiterpenol	0.05
112	63.34	Junenol	0.12
114	63.78	Cubenol	0.19
115	64.36	Aromatic Compound	0.02
116	64.59	Elemol	0.06
117	64.67	Sesquiterpenic Oxide	0.07
118	65.15	Cedrol Isomer	0.12
119	65.44	Aromatic Compound	0.07
120	65.64	Compound Mw=222	0.23
121	65.87	Compound Mw=206	0.03
122	66.04	Compound Mw=222	0.74
123	66.69	Cedrol	19.19
124	66.91	Compound Mw=222	0.08
125	67.02	Sesquiterpenol	0.03
126	67.19	Compound Mw=220	0.41
127	67.35	Sesquiterpenol	0.25
128	67.74	Compound Mw=218	0.09
129	67.99	Widdrol	2.12
130	68.15	Sesquiterpenic Oxide	0.17
131	68.37	Cedrol Isomer	0.44
132	68.56	Compound Mw=220	0.06
133	68.67	Sesquiterpenol	0.27
134	68.83	gamma-Eudesmol	0.35
136	69.17	Sesquiterpenol	0.04
137	69.71	alpha-Murolol	0.13
138	69.87	Sesquiterpenol	0.04
139	70.03	Sesquiterpenic Compound	0.02
140	70.19	Compound Mw=218	0.18
142	70.44	Carvacrol	0.05
143	70.78	Himachalol	0.09
144	71.16	alpha-Bisabolol	0.28
145	71.31	Sesquiterpenic Compound	0.11
146	71.42	alpha-Eudesmol	0.08
147	71.82	beta-Eudesmol	0.23
149	72.17	Aromatic Compound	0.04
150	72.39	Allo-Himachalol	0.03
151	72.81	Eudesma-7(11)-En-4-Ol	0.07
152	73.11	Sesquiterpenic Compound	0.02
153	73.36	Compound Mw=218	0.02
154	73.51	Aromatic Compound	0.03
155	73.99	Compound Mw=222	0.05
156	74.17	Aromatic Compound	0.17
157	74.70	Compound Mw=220	0.02
158	75.02	Compound Mw=218	0.11
159	75.23	Compound Mw=220	0.02
160	75.40	Bicyclovetivenol	0.16

Peak	RT (min)	Compound	Typical %
161	75.84	Sesquiterpenic Oxide	0.08
162	76.12	Compound Mw=236	0.02
163	76.35	Terpenic Compound	0.08
164	76.72	alpha-Cedrenol	0.21
165	78.25	Compound Mw=222	0.06
166	78.62	Compound Mw=220	0.05
167	79.02	Cedrenol Isomer	0.07
168	79.22	Compound Mw=220	0.03
169	79.65	Terpenic Compound	0.06
170	80.00	Compound Mw=220	0.10

Percentages are presented as a typical composition profile prepared from current reliable source data. Small analytical and natural lot-to-lot variation is expected.