



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Juniper Berry - Organic
LATIN NAME	<i>Juniperus communis</i>
COUNTRY OF ORIGIN	Nepal
CULTIVATION METHOD	Certified Organic (USDA, NOP)
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Berries
USE	Aromatherapy, Natural Perfumery, Incense

SKU	476
LOT #	18
MANUFACTURING DATE	April 2022
BEST BY DATE	April 2025

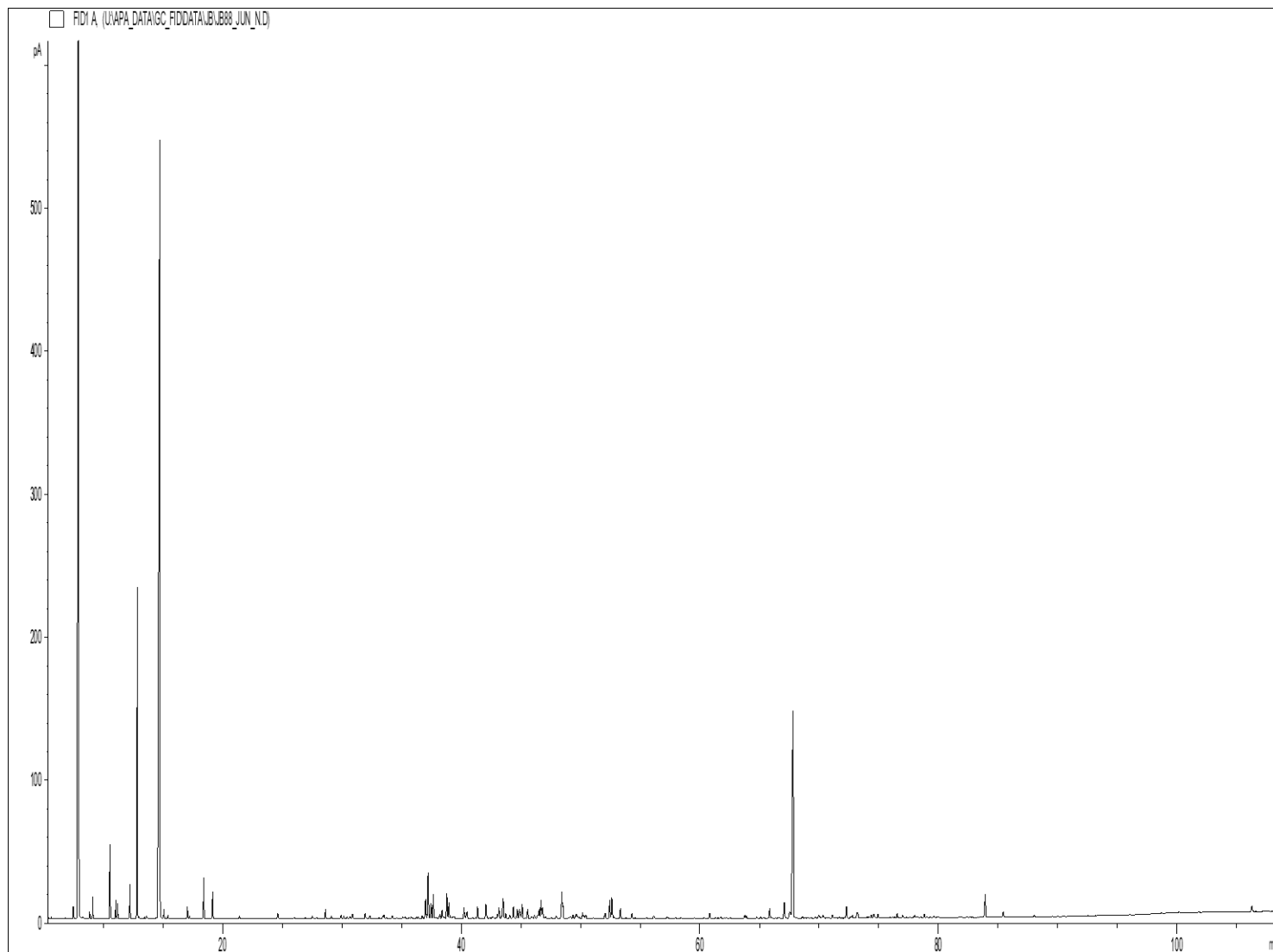
	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @16.4°C	0.848 – 0.872	0.8784
REFRACTIVE INDEX @20°C	1.470 – 1.485	1.4786
OPTICAL ROTATION @19°C	na	44.97°

PHYSICAL APPEARANCE	Transparent oil	Conforms
COLOR	Colorless to pale yellow	Conforms
ODOR	Sweet, fresh, woody-balsamic coniferous like odor.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

MAIN CONSTITUENTS	Alpha-Pinene, Limonene, Beta-Myrcene, Cedrol.
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THIRD PARTY LAB ANALYSIS (GCMS)

CHROMATOGRAPHIC PROFILE:



- ORGANIC JUNIPER BERRY EO - SKU 476 LOT 18 -

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
1	7.49	TRICYCLEN	0.16		
2	7.95	alpha-PINENE	48.18		
3		alpha-THUYENE			
4	8.85	alpha-FENCHENE	0.07		
5	9.11	CAMPHE	0.24		
6	10.54	beta-PINENE	0.92		
7	11.03	SABINENE	0.23		
8	11.18	PINADIENE	0.20		
9	12.21	delta3-CARENE	0.47		
10	12.84	beta-MYRCENE	4.93		
11	12.96	alpha-PHELLANDRENE	0.02		
12	13.44	o-CYMENE	0.02		
13	13.62	alpha-TERPINENE	0.04		
14	14.40	MENTHATRIENE ISOMER	0.02		
15	14.72	LIMONENE	21.36		21.36
16	15.06	1,8-CINEOLE	0.13		
17		beta-PHELLANDRENE			
18	15.41	1,3,8-p-MENTHATRIENE	0.04		
19	17.04	gamma-TERPINENE	0.17		
20	17.21	MENTHATRIENE ISOMER	0.04		
21	18.40	p-CYMENE	0.60		
22	19.15	TERPINOLENE	0.41		
23	21.40	PINOL	0.04		
24	24.61	alpha-PINENE OXIDE	0.08		
25	25.99	FENCHONE	0.02		
26	26.93	ALIPHATIC ESTER	0.02		
27	27.50	PERILLENE	0.05		
28	27.87	ALIPHATIC ESTER	0.03		
29	28.60	alpha,p-DIMETHYLSTYRENE	0.15		
30	29.11	LIMONENE cis-1,2-EPOXIDE	0.05		
31	29.91	LIMONENE trans-1,2-EPOXIDE	0.06		
32	30.14	alpha-CUBEBENE	0.05		
33	30.42	4,8-TERPINOLENE EPOXIDE	0.03		
34	30.66	FENCHYL ACETATE	0.04		
35	30.87	delta-ELEMENE	0.09		
36	31.94	alpha-CAMPHOLENAL	0.10		
37	32.31	alpha-COPAENE	0.05		
38	33.10	SESQUITERPENE	0.02		
39	33.41	CAMPHOR	0.06		
40	33.52	PINOCAMPHONE	0.07		
41	33.72	COMPOUND Mw=152	0.02		
42	34.21	SESQUITERPENE	0.06		
43	34.57	COMPOUND Mw=152	0.02		

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
44	35.09	BERGAMOTENE ISOMER	0.04		
45	35.20	beta1-CUBEBENE	0.02		
46	35.32	ISOPINOCAMPHONE	0.03		
47	35.60	LINALOL	0.02		0.02
48	35.79	cis-8,9-EPOXYDE DE LIMONENE	0.05		
49	36.24	trans-8,9-EPOXYDE DE LIMONENE	0.04		
50	36.39	alpha-cis-BERGAMOTENE	0.04		
51	36.73	CITRONELLATE DE METHYLE	0.06		
52	37.00	alpha-CEDRENE	0.41		
53	37.22	CEDRENE ISOMER	0.92		
54	37.46	epsilon-CADINENE	0.32		
55	37.65	BORNYL ACETATE	0.46		
56	37.84	FENCHOL	0.03		
57	37.94	ISOBORNYL ACETATE	0.02		
58	38.21	alpha-GUAIENE	0.11		
59	38.39	beta-ELEMENE	0.17		
60	38.49	beta-CUBEBENE	0.06		
61	38.78	beta-CEDRENE	0.54		
62		beta-CARYOPHYLLENE			
63	38.96	TERPINENE-4-OL	0.29		
64	39.12	SESQUITERPENE	0.04		
65	39.32	cis-DIHYDROCARVONE	0.04		
66	39.40	AROMADENDRENE	0.04		
67	40.22	THUYOPSENE	0.22		
68	40.44	MYRTENAL	0.19		
69	40.69	cis-p-MENTHA-2,8-DIEN-1-OL	0.01		
70	40.94	CADINADIENE ISOMER	0.03		
71	41.17	CADINA-3,5-DIENE	0.02		
72	41.36	GERMACRENE A	0.23		
73	42.06	trans-PINOCARVEOL	0.33		
74	42.39	cis-VERBENOL	0.03		
75	42.59	SESQUITERPENE	0.02		
76	42.65	trans-p-MENTHA-2,8-DIEN-1-OL	0.04		
77	42.91	ZONARENE	0.02		
78	43.04	E-beta-FARNESENE	0.09		
79	43.15	alpha-HUMULENE	0.23		
80	43.39	cis-4,5-MUROLADIENE	0.05		
81	43.50	trans-VERBENOL	0.44		
82	43.73	CURCUMENE ISOMER	0.11		
83	44.06	LAVANDULAL	0.08		
84	44.36	gamma-MUROLENE	0.25		
85	44.69	alpha-TERPINEOL	0.22		
86	44.87	BORNEOL	0.22		

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
87	44.94	TERPENYL ACETATE	0.08		
88	45.10	VERBENONE	0.30		
89	45.36	TERPENIC ESTER	0.02		
90	45.56	GERMACRENE D	0.19		
91	45.87	MUUROLADIENE ISOMER	0.07		
92	46.12	beta-SELINENE	0.08		
93	46.40	alpha-SELINENE	0.08		
94	46.53	alpha-MUUROLENE	0.20		
95	46.68	TERPENIC ESTER	0.37		
96	46.81	beta-BISABOLENE	0.22		
97	47.00	beta-HIMACHALENE	0.03		
98	47.05	cis-CARVYL ACETATE	0.03		
99	47.53	beta-CURCUMENE	0.03		
100	47.94	trans-ISOPIPERITENOL	0.05		
101	48.41	delta-CADINENE	0.53		
102	48.50	gamma-CADINENE	0.28		
103	49.00	p-METHYLACETOPHENONE	0.02		
104	49.18	beta-SESQUIPELLANDRENE	0.07		
105	49.36	alpha-CURCUMENE	0.08		
106	49.64	SELINADIENE ISOMER	0.15		
107	49.75	SELINA-3,7-DIENE	0.03		
108	49.86	CADINA-1,4-DIENE	0.03		
109	50.17	MYRTENOL	0.12		
110	50.28	CAMPHOLENOL	0.05		
111	50.43	alpha-AMORPHENE	0.09		
112	52.05	CUPARENE	0.11		
113	52.44	GERMACRENE B	0.36		
114	52.61	trans-CARVEOL	0.39		
115	52.65	cis-CALAMENENE	0.09		
116	52.80	trans-CALAMENENE	0.03		
117	53.33	p-CYMENE-8-OL	0.19		
118	54.30	cis-CARVEOL	0.10		
119	54.56	trans-MYRTANOL	0.01		
120	55.53	cis-p-MENTHA-1(7),8-DIEN-2-OL	0.02		
121	56.12	6-epi-SHYOBUNOL	0.06		
122	57.23	alpha-CALACORENE	0.06		
123	57.94	ALIPHATIC ESTER	0.03		
124	58.39	CUBEBOL	0.02		
125	59.53	beta-CALACORENE	0.01		
126	60.81	CARYOPHYLLENE OXIDE	0.11		
127	61.31	LIMONENE-10-OL	0.02		
128	61.75	PERILLYL ALCOHOL	0.03		
129	62.19	CHRYSANthemol ISOMER	0.02		

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
130	62.54	HUMULOL	0.02		
131	63.77	EPOXY-6,7-HUMULENE	0.07		
132	63.89	NEROLIDOL	0.04		
133	64.76	Epi-CUBENOL	0.02		
134	65.10	CUBENOL	0.03		
135	65.36	IONONE ISOMER	0.02		
136	65.85	ELEMOL	0.22		
137	66.54	CEDROL ISOMER	0.02		
138	66.64	AROMATIC COMPOUND	0.02		
139	67.07	AROMATIC COMPOUND Mw=222	0.33		
140	67.54	AROMATIC COMPOUND Mw=222	0.20		
141	67.81	CEDROL	5.26		
142	68.60	SESQUITERPENIC OXIDE	0.03		
143	68.79	CEDROL ISOMER	0.02		
144	69.67	CEDROL ISOMER	0.03		
145	69.97	CEDRYL ACETATE	0.10		
146	70.23	gamma-EUDESOL	0.03		
147	70.34	T-CADINOL	0.07		
148	71.11	alpha-MUUROLOL	0.07		
149	71.37	SESQUITERPENIC OXIDE	0.02		
150	71.67	delta-CADINOL	0.02		
151	72.27	GERANYLGERANIADIENE	0.24		
152	72.65	CARVACROL	0.03		
153	72.77	alpha-EUDESOL	0.06		
154	73.16	beta-EUDESOL	0.12		
155	73.24	alpha-CADINOL	0.10		
156	74.00	SESQUITERPENIC OXIDE	0.02		
157	74.16	DITERPENE	0.03		
158	74.36	beta-NOOTKATOL	0.07		
159	74.57	GERANYLGERANIADIENE ISOMER	0.11		
160	74.92	trans-LIMONENE-1,2-DIOL	0.09		
161	75.95	COMPOUND Mw=280	0.02		
162	76.15	SESQUITERPENOL	0.02		
163	76.53	COMPOUND Mw=220	0.10		
164	77.00	SESQUITERPENIC OXIDE	0.06		
165	77.99	SANDARACOPIMARADIENE	0.08		
166	78.27	alpha-CEDRENOL	0.03		
167	78.82	MANOYL OXIDE	0.08		
168	79.01	AROMATIC COMPOUND	0.02		
169	79.63	COMPOUND Mw=220	0.05		
170	79.99	SESQUITERPENIC OXIDE	0.06		
171	83.92	BIFORMENE	0.51		
172	84.63	COMPOUND Mw=220	0.02		

Peaks	RT (min)	Compound name	%	Standard (%)	Allergens (%)
173	85.43	ABIETATRIENE	0.11		
174	88.04	DITERPENE	0.03		
175	98.68	PIMARINAL	0.02		
176	100.14	DITERPENIC COMPOUND Mw=286	0.02		
177	101.84	DITERPENIC COMPOUND Mw=286	0.02		
178	103.20	DITERPENIC COMPOUND Mw=286	0.02		
179	106.28	DITERPENIC COMPOUND Mw=286	0.15		
180	109.01	DITERPENIC COMPOUND Mw=286	0.03		
181	109.67	DITERPENIC COMPOUND Mw=286	0.02		
		TOTAL	99.67		21.38

This Essential Oil is an authentic natural product and does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

Eden Botanicals

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