

Client



Source



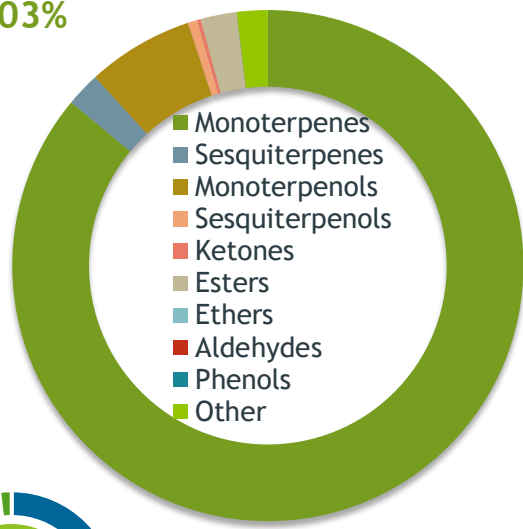
Juniper (*Juniperus californica*)
0962020CJ

Sample

Juniper (*Juniperus californica*)
Batch #:..... 0962020CJ
Type:..... Essential Oil
CAS Number:.....
Mountain Girl Soap

Monoterpenes

86.03%



Client

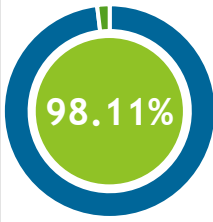


Website



Primary

31.35% Sabinene
17.85 alpha-Pinene
17.22% Limonene



Percentage Identified

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Juniper (*Juniperus californica*)

Internal Number: | EVS-3945



Essential Validation Services

747 SW 2nd Ave IMB 12 Suite 306
Gainesville, FL 32601

317.361.5044 | <https://essentialvalidationservices.com/>

Alan Christen

Monoterpenes	86.03%	86.03%
Sesquiterpenes		2.16%
Monoterpenols	6	6.75%
Sesquiterpenols		0.59%
Ketones		0.23%
Esters		2.26%
Ethers		0.02%
Aldehydes		0.01%
Phenols		0.00%
Other		1.95%

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Source

Juniper (*Juniperus californica*)

0962020CJ

Total Percentage		98.11%		
Number	RT	Area %	Compound Name	Chemical Family
1	7.89	0.18%	Tricyclene	Monoterpene
2	8.06	2.30%	alpha-Thujene	Monoterpene
3	8.33	17.85%	alpha-Pinene	Monoterpene
4	8.92	0.28%	Camphene	Monoterpene
5	9.49	0.07%	Verbenene	Monoterpene
6	9.93	31.35%	Sabinene	Monoterpene
7	10.06	0.94%	beta-Pinene	Monoterpene
8	10.47	0.06%	Octan-3-one	Aliphatic Ketone
9	10.63	6.08%	Myrcene	Monoterpene
10	11.28	0.18%	alpha-Phellandrene	Monoterpene
11	11.38	0.05%	delta-3-Carene	Monoterpene
12	11.75	2.33%	alpha-Terpinene	Monoterpene
13	12.09	1.37%	para-Cymene	Monoterpene
14	12.33	17.22%	Limonene	Monoterpene
15	12.67	0.04%	(Z)-beta-Ocimene	Monoterpene
16	13.13	0.01%	(E)-beta-Ocimene	Monoterpene
17	13.61	3.80%	gamma-Terpinene	Monoterpene
18	14.15	0.30%	trans-Sabinene hydrate	Monoterpenol
19	14.84	1.92%	Isoterpinolene	Monoterpene
20	15.04	0.06%	para-Cymenene	Monoterpene
21	15.16	0.01%	6,7-Epoxymyrcene	Monoterpene Ether
22	15.55	0.31%	cis-Sabinene hydrate	Monoterpenol
23	15.99	0.02%	1-Octenyl-3 acetate	Monoterpene Ester
24	16.54	0.02%	Octan-3-yl acetate	Aliphatic Ester
25	16.62	0.25%	cis-para-Menth-2-en-1-ol	Monoterpenol
26	16.73	0.01%	alpha-Campholene aldehyde	Monoterpene Aldehyde
27	16.81	0.01%	alpha-Thujone	Monoterpene Ketone
28	17.20	0.01%	cis-Limonene oxide	Monoterpene Ether
29	17.33	0.03%	alpha-Pinocarveol	Monoterpenol
30	17.46	0.17%	trans-para-Menth-2-en-1-ol	Monoterpenol
31	17.58	0.15%	Camphor	Monoterpene Ketone
32	17.96	0.04%	Camphene hydrate	Monoterpenol
33	18.78	0.05%	Borneol	Monoterpenol
34	19.21	5.21%	Terpinen-4-ol	Monoterpenol
35	19.53	0.02%	para-Cymen-8-ol	Monoterpenol

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- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
 - This report may not be published without the consent of Essential Validation Services.
 - Chromatograph image may be requested
 - This report is valid for 1 year from the analyzed date

Client



Source



Juniper (Juniperus californica)
0962020CJ

Number	RT	Area %	Compound Name	Chemical Family
36	19.88	0.20%	alpha-Terpineol	Monoterpenol
37	19.95	0.06%	cis-Piperitol	Monoterpenol
38	20.54	0.09%	trans-Piperitol	Monoterpenol
39	22.07	0.01%	Carvone	Monoterpene Ketone
40	22.82	0.08%	Methyl citronellate	Monoterpene Ester
41	23.91	1.99%	Isopulegyl acetate	Monoterpene Ester
42	24.66	0.02%	Carvacrol	Monoterpenol
43	25.61	0.12%	Geranyl formate	Monoterpene Ester
44	27.84	0.11%	alpha-Cubebene	Sesquiterpene
45	28.10	0.03%	Neryl acetate	Monoterpene Ester
46	28.46	0.07%	Longicyclene	Sesquiterpene
47	29.45	0.05%	alpha-Cedrene	Sesquiterpene
48	29.64	0.17%	cis-Caryophyllene	Sesquiterpene
49	30.13	0.43%	beta-Caryophyllene	Sesquiterpene
50	30.25	0.02%	beta-Cedrene	Sesquiterpene
51	30.88	0.04%	beta-Copaene	Sesquiterpene
52	31.11	0.03%	gamma-Elemene	Sesquiterpene
53	31.20	0.02%	(Z)-beta-Farnesene	Sesquiterpene
54	31.85	0.06%	trans-Muurolo-3,5-diene	Sesquiterpene
55	31.97	0.04%	6,9-Guaiadiene	Sesquiterpene
56	32.17	0.18%	Dauca-5,8-diene	Sesquiterpene
57	32.59	0.08%	cis-Muurolo-4(14),5-diene	Sesquiterpene
58	32.94	0.09%	alpha-Amorphene	Sesquiterpene
59	33.49	0.13%	gamma-Muurolo-4(14),5-diene	Sesquiterpene
60	33.59	0.11%	epi-Cubebol	Sesquiterpenol
61	33.74	0.51%	beta-Cadinene	Sesquiterpene
62	34.90	0.13%	delta-Guaiene	Sesquiterpene
63	37.91	0.18%	1,10-di-epi-Cubenol	Sesquiterpenol
64	38.04	0.03%	Guaiol	Sesquiterpenol
65	38.62	0.03%	1-epi-Cubenol	Sesquiterpenol
66	38.92	0.24%	T-Muurolo-4(14),5-diene	Sesquiterpenol
67	53.14	0.06%	Kaurene	Diterpene

ESSENTIAL VALIDATION SERVICES | 74 SW 27th AVE GAINESVILLE, FLORIDA 32601 | 352-301-5044