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Balancing Body, Mind and Spirit with Pure Essential Oils
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Juniper Berry

Juniperus communis

Batch No. MK-59355
 Macedonia

Monoterpenes	81.92%	Sesquiterpenes	12.88%	Sesquiterpenols	0.41%
α pinene	43.72	β caryophyllene	4.43	cubebol	0.15
myrcene	10.01	germacrene D	1.74	1-epi-cubenol	0.08
β pinene	7.44	α humulene	1.00	1,10-di-epi-cubenol	0.07
sabinene	6.82	δ cadinene	0.94	spathulenol	0.06
limonene	6.66	longifolene	0.73	ledol	0.03
para cymene	1.80	γ elemene	0.63	α muurolol	0.02
γ terpinene	1.65	β elemene	0.51		
terpinolene	0.99	α cubebene	0.49		
camphene	0.82	α copaene	0.32		
α thujene	0.73	γ muurolene	0.28		
pseudolimonene	0.47	α muurolene	0.23		
α terpinene	0.38	β cubebene	0.23	Esters	0.14%
tricyclene	0.10	α selinene	0.21	bornyl acetate	0.14
(Z) β ocimene	0.09	γ cadinene	0.18		
α phellandrene	0.06	trans-calamenene	0.15		
Δ 3 carene	0.06	trans-cadina-1(6),4 diene	0.11		
(E) isolimonene	0.04	allo-aromadendrene	0.09	Ethers	0.3%
para cymenene	0.02	germacrene B	0.09	caryophyllene oxyde	0.20
thuja-2,4(10)-diene	0.02	β selinene	0.09	humulene epoxide II	0.05
3-p-menthene	0.02	selina-3,7(11)-diene	0.08	α pinene oxide	0.03
(E) β ocimene	0.01	trans-cadina-1,4-diene	0.08	1,4 cineole	0.02
α fenchene	0.01	1-epi-bicylosesquiphellandrene	0.07		
		cis-muurola-4(14),5 diene	0.04		
		trans-muurola-3-5-diene	0.04		
		δ elemene	0.04		
		sibirene	0.02	Phenols	0.01%
		longicyclene	0.02	toluene	0.01
		β copaene	0.02		
		aromadendrene	0.01		
		β cadinene	0.01		

Monoterpenols	3.52%
terpinen-4-ol	2.36
α terpineol	0.79
linalool	0.10
(E,Z) geranyl linalool	0.07
borneol	0.06
fenchol	0.06
trans pinocarveol	0.04
para-cymen-8-ol	0.02
trans-verbenol	0.02

Client



Source



Juniper Berry (Juniperus communis)

MK-59355 - Macedonia

Sample

Juniper Berry (Juniperus communis)

Identification #: MK-59355

Type:..... Essential Oil

CAS Number:... 8012-91-7

Nature's Gift

Properties

Country Of Origin Macedonia

Specific Gravity NT

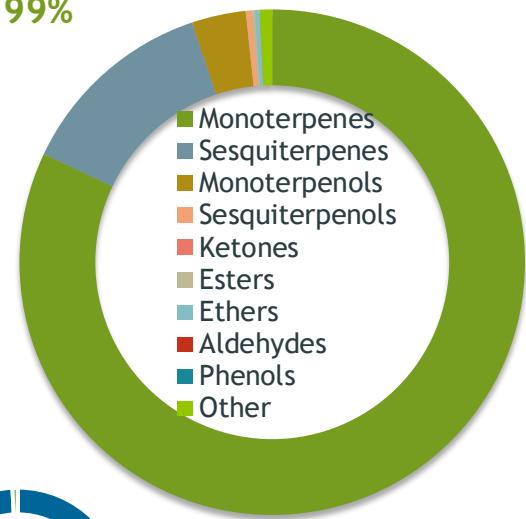
Refractive Index NT

Primary

43.72% [alpha-Pinene](#)10.01% [Myrcene](#)7.44% [beta-Pinene](#)

Monoterpenes

81.99%



Percentage Identified

Result

APPROVED

10/16/2023

Conclusion

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

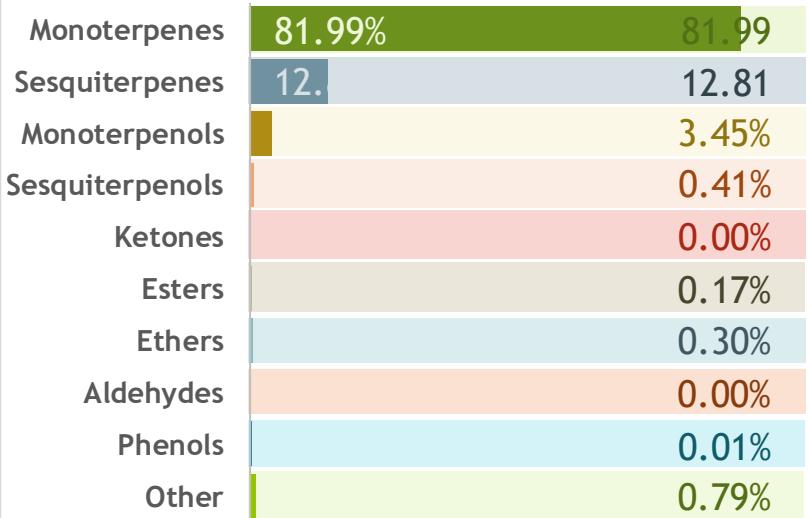
Internal Number: | EVS-5857



Essential Validation
Services

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

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

Client



Source

*Juniper Berry (Juniperus communis)*

MK-59355

Total Percentage	99.21%			
Number	RT	Area %	Compound Name	Chemical Family
1	3.71	0.01%	Toluene	Simple Phenolic
2	8.00	0.10%	Tricyclene	Monoterpene
3	8.17	0.73%	alpha-Thujene	Monoterpene
4	8.49	43.72%	alpha-Pinene	Monoterpene
5	9.04	0.82%	Camphene	Monoterpene
6	9.21	0.02%	Thuja-2,4(10)-diene	Monoterpene
7	9.60	0.01%	alpha-Fenchene	Monoterpene
8	9.84	0.04%	trans-Isolimonene	Monoterpene
9	9.99	6.82%	Sabinene	Monoterpene
10	10.16	7.44%	beta-Pinene	Monoterpene
11	10.75	10.01%	Myrcene	Monoterpene
12	11.11	0.02%	3-p-Menthene	Monoterpene
13	11.28	0.47%	Pseudolimonene	Monoterpene
14	11.39	0.06%	alpha-Phellandrene	Monoterpene
15	11.49	0.06%	delta-3-Carene	Monoterpene
16	11.77	0.02%	1,4-Cineole	Monoterpene Ether
17	11.86	0.38%	alpha-Terpinene	Monoterpene
18	12.20	1.80%	para-Cymene	Monoterpene
19	12.41	6.66%	Limonene	Monoterpene
20	12.77	0.09%	(Z)-beta-Ocimene	Monoterpene
21	13.23	0.01%	(E)-beta-Ocimene	Monoterpene
22	13.71	1.65%	gamma-Terpinene	Monoterpene
23	14.94	0.99%	Terpinolene	Monoterpene
24	15.16	0.02%	para-Cymenene	Monoterpene
25	15.66	0.10%	Linalool	Monoterpenol
26	15.98	0.03%	alpha-Pinene oxide	Monoterpene Ether
27	16.45	0.06%	Fenchol	Monoterpenol
28	17.42	0.04%	trans-Pinocarveol	Monoterpenol
29	17.69	0.02%	trans-Verbenol	Monoterpenol
30	18.86	0.06%	Borneol	Monoterpenol
31	19.28	2.36%	Terpinen-4-ol	Monoterpenol
32	19.62	0.02%	para-Cymen-8-ol	Monoterpenol
33	19.97	0.79%	alpha-Terpineol	Monoterpenol
34	23.96	0.14%	Bornyl acetate	Monoterpene Ester
35	26.19	0.04%	delta-Elemene	Sesquiterpene

Client



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Juniper Berry (*Juniperus communis*)

MK-59355

Number	RT	Area %	Compound Name	Chemical Family
36	26.702	0.49%	alpha-Cubebene	Sesquiterpene
37	27.74	0.02%	Longicyclene	Sesquiterpene
38	27.89	0.32%	alpha-Copaene	Sesquiterpene
39	28.43	0.23%	beta-Cubebene	Sesquiterpene
40	28.51	0.51%	beta-Elemene	Sesquiterpene
41	29.02	0.02%	Sibirene	Sesquiterpene
42	29.22	0.73%	Longifolene	Sesquiterpene
43	29.69	4.43%	beta-Caryophyllene	Sesquiterpene
44	30.17	0.63%	gamma-Elemene	Sesquiterpene
45	30.46	0.01%	Aromadendrene	Sesquiterpene
46	30.71	0.02%	beta-Copaene	Sesquiterpene
47	30.92	0.04%	trans-Muurola-3,5-diene	Sesquiterpene
48	31.15	1.00%	alpha-Humulene	Sesquiterpene
49	31.34	0.09%	allo-Aromadendrene	Sesquiterpene
50	31.43	0.04%	cis-Muurola-4(14),5-diene	Sesquiterpene
51	31.88	0.11%	trans-Cadina-1(6),4-diene	Sesquiterpene
52	32.01	0.28%	gamma-Muurolene	Sesquiterpene
53	32.21	1.74%	Germacrene D	Sesquiterpene
54	32.51	0.09%	beta-Selinene	Sesquiterpene
55	32.63	0.07%	1-epi-Bicyclosesquiphellandrene	Monoterpene
56	32.82	0.21%	alpha-Selinene	Sesquiterpene
57	32.98	0.23%	alpha-Muurolene	Sesquiterpene
58	33.14	0.01%	beta-Cadinene	Sesquiterpene
59	33.52	0.18%	gamma-Cadinene	Sesquiterpene
60	33.60	0.15%	Cubebol	Sesquiterpenol
61	33.76	0.94%	delta-Cadinene	Sesquiterpene
62	33.86	0.15%	trans-Calamenene	Sesquiterpene
63	34.28	0.08%	trans-Cadina-1,4-diene	Sesquiterpene
64	34.42	0.08%	Selina-3,7(11)-diene	Sesquiterpene
65	35.24	0.09%	Germacrene B	Sesquiterpene
66	35.95	0.06%	Spathulenol	Sesquiterpenol
67	36.11	0.20%	Caryophyllene oxide	Sesquiterpene Ether
68	37.01	0.03%	Ledol	Sesquiterpenol
69	37.19	0.05%	Humulene epoxide II	Sesquiterpene Ether
70	37.92	0.07%	1,10-di-epi-Cubenol	Sesquiterpenol

Client



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MK-59355

ESSENTIAL VALIDATION SERVICES | 747 SW 3RD AVE GAINESVILLE FLORIDA 32601 | 317-361-5001

Essential Validation Services

- 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

10/16/2023