

Client



Source



Angelica Root (*Angelica archangelica*)  
BE-59189

Sample

Angelica Root (*Angelica archangelica*)  
Batch #:..... BE-59189  
Type:..... Essential Oil  
CAS Number:... 8015-64-3  
Nature's Gift

Client



Website

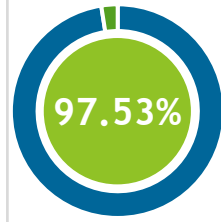
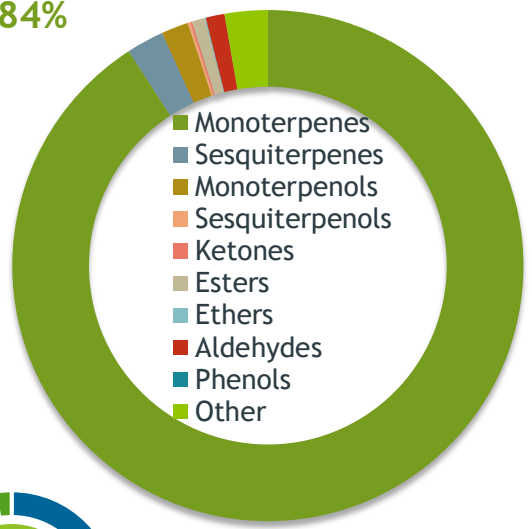


Primary

**14.97%** | alpha-Phellandrene  
**14.35%** | alpha-Pinene  
**13.35%** | Limonene

Monoterpenes

90.84%



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 Angelica Root (*Angelica archangelica*)

Internal Number: | EVS-4459



Essential Validation Services

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

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

*Alan Christen*

Monoterpenes	90.84%	90.84%
Sesquiterpenes		2.37%
Monoterpenols		1.71%
Sesquiterpenols		0.17%
Ketones		0.12%
Esters		0.81%
Ethers		0.07%
Aldehydes		1.19%
Phenols		0.00%
Other		2.72%

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Total Percentage		97.53%		
Number	RT	Area %	Compound Name	Chemical Family
1	4.17	0.01%	Octane	Alkane
2	5.87	0.01%	2-Methyloctane	Alkane
3	7.09	0.01%	Heptanal	Aliphatic Aldehyde
4	7.44	0.01%	Hashishene	Monoterpene
5	7.75	0.01%	Tricyclene	Monoterpene
6	7.92	1.04%	alpha-Thujene	Monoterpene
7	8.21	14.35%	alpha-Pinene	Monoterpene
8	8.77	1.05%	Camphene	Monoterpene
9	8.94	0.39%	Thuja-2,4(10)-diene	Monoterpene
10	9.57	0.02%	Isopropyl tiglate	Aliphatic Ester
11	9.73	6.65%	Sabinene	Monoterpene
12	9.89	1.59%	beta-Pinene	Monoterpene
13	10.49	5.82%	Myrcene	Monoterpene
14	10.83	0.12%	2-Carene	Monoterpene
15	11.18	14.97%	alpha-Phellandrene	Monoterpene
16	11.29	11.17%	delta-3-Carene	Monoterpene
17	11.59	1.45%	alpha-Terpinene	Monoterpene
18	11.72	0.09%	o-Cymene	Monoterpene
19	11.93	2.91%	para-Cymene	Monoterpene
20	12.21	13.35%	Limonene	Monoterpene
21	12.24	4.96%	beta-Phellandrene	Monoterpene
22	12.51	1.51%	(Z)-beta-Ocimene	Monoterpene
23	12.98	4.26%	(E)-beta-Ocimene	Monoterpene
24	13.44	2.25%	gamma-Terpinene	Monoterpene
25	13.95	0.01%	trans-Sabinene hydrate	Monoterpenol
26	14.49	0.90%	Isoterpinolene	Monoterpene
27	14.66	1.52%	Terpinolene	Monoterpene
28	14.86	0.08%	para-Cymenene	Monoterpene
29	15.29	0.02%	Perillene	Monoterpene Ether
30	15.37	0.02%	Linalool	Monoterpenol
31	15.60	0.01%	Nonanal	Aliphatic Aldehyde
32	15.79	0.02%	2-Methyl Butyl Isovalerate	Monoterpene Ester
33	15.88	0.02%	1,3,8-para-Menthatriene	Monoterpene
34	15.93	0.02%	6-Methyl-3,5-heptadien-2-one	Monoterpene Ketone
35	16.67	0.35%	Alloocimene	Monoterpene

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Number	RT	Area %	Compound Name	Chemical Family
36	17.23	0.15%	cis-para-Menth-2-en-1-ol	Monoterpene
37	17.58	0.11%	trans-Verbenol	Monoterpenol
38	18.11	0.01%	(E)-2-Nonenal	Aliphatic Aldehyde
39	18.59	0.13%	para-Mentha-1,5-dien-8-ol	Monoterpenol
40	18.98	1.04%	Terpinen-4-ol	Monoterpenol
41	19.22	0.08%	Cryptone	Monoterpene Ketone
42	19.61	0.08%	Myrtenal	Monoterpene Aldehyde
43	19.66	0.04%	alpha-Terpineol	Monoterpenol
44	19.74	0.03%	cis-Piperitol	Monoterpenol
45	20.00	0.04%	cis-Pinocarveol	Monoterpenol
46	20.32	0.08%	trans-Piperitol	Monoterpenol
47	22.08	0.02%	Piperitone	Monoterpene Ketone
48	23.32	0.05%	Phellandral	Monoterpene Aldehyde
49	23.55	0.02%	cis-Verbenyl acetate	Monoterpene Ester
50	23.69	0.51%	Bornyl acetate	Monoterpene Ester
51	23.93	0.13%	trans-Sabinyl acetate	Monoterpene Ester
52	24.44	0.02%	Carvacrol	Monoterpenol
53	25.66	0.07%	Linalyl propionate	Monoterpene Ester
54	25.87	0.04%	trans-Caryyl acetate	Monoterpene Ester
55	27.26	0.04%	Longicyclene	Sesquiterpene
56	27.33	0.09%	alpha-Ylangene	Sesquiterpene
57	27.63	0.47%	alpha-Copaene	Sesquiterpene
58	28.25	0.11%	beta-Elemene	Sesquiterpene
59	28.51	0.01%	Sativene	Sesquiterpene
60	29.29	0.02%	beta-Cedrene	Sesquiterpene
61	29.42	0.09%	beta-Caryophyllene	Sesquiterpene
62	29.91	0.17%	gamma-Elemene	Sesquiterpene
63	30.03	0.01%	Thujopsene	Sesquiterpene
64	30.54	0.07%	beta-Barbatene	Sesquiterpene
65	30.66	0.01%	trans-Muurola-3,5-diene	Sesquiterpene
66	30.89	0.53%	alpha-Humulene	Sesquiterpene
67	30.98	0.06%	(E)-beta-Farnesene	Sesquiterpene
68	31.18	0.01%	6,9-Guaiadiene	Sesquiterpene
69	31.63	0.01%	trans-Cadina-1(6),4-diene	Sesquiterpene
70	31.75	0.02%	gamma-Muurolene	Sesquiterpene
71	31.95	0.25%	Germacrene D	Sesquiterpene

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72	32.05	0.01%	ar-Curcumene	Sesquiterpene
73	32.37	0.01%	cis-Muurola-4(14),5-diene	Sesquiterpene
74	32.73	0.17%	alpha-Muurolene	Sesquiterpene
75	33.15	0.04%	beta-Bisabolene	Sesquiterpene
76	33.35	0.01%	Cubebol	Sesquiterpenol
77	33.51	0.15%	beta-Cadinene	Sesquiterpene
78	33.75	0.01%	beta-Sesquiphellandrene	Sesquiterpene
79	34.07	0.02%	beta-Curcumene	Monoterpene
80	34.67	0.03%	Elemol	Sesquiterpenol
81	34.99	0.01%	Germacrene B	Sesquiterpene
82	35.70	0.01%	Spathulenol	Sesquiterpenol
83	36.93	0.05%	Humulene epoxide II	Sesquiterpene Ether
84	37.40	0.01%	10-epi-gamma-Eudesmol	Sesquiterpenol
85	37.60	0.62%	Tetradecanal	Sesquiterpene Aldehyde
86	38.27	0.04%	T-Muurolol	Sesquiterpenol
87	38.61	0.04%	beta-Eudesmol	Sesquiterpenol
88	38.83	0.03%	alpha-Muurolol	Sesquiterpenol
89	39.55	0.04%	Tetradecanol	Monoterpenol
90	44.69	0.41%	Hexadecanal	Sesquiterpene Aldehyde
91	51.14	0.03%	1-Eicosene	Diterpene
92	54.10	0.20%	Osthole	Coumarin

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