

Ammi Visnaga Ammi visnaga

Batch No. MO-59101
 Organically Produced, Morocco

Monoterpenes 8.43%

trans β ocimene	2.44
cis β ocimene	1.46
sabinene	1.14
limonene	1.01
myrcene	0.73
α thujene	0.58
para cymene	0.32
alloocimene	0.26
α pinene	0.25
terpinolene	0.11
β pinene	0.09
para cymenene	0.03
camphene	0.01

Monoterpenols 35.03%

linalol	33.22
α terpineol	0.84
terpinen-4-ol	0.24
1-nonen-3-ol	0.22
cis linalol oxide	0.17
geraniol	0.11
trans linalol oxide	0.09
lavandulol	0.04
citronellol	0.04
nerol	0.03
para-mentha-1,5-dien-8-ol	0.02
(Z) para-menth-2oen-1-ol	0.01

Aldehydes 0.08%

bergamal	0.04
hexadecanal	0.04

Ethers 0.17%

1,8 cineole	0.11
α pinene oxide	0.06

Esters 50.21%

2-methylbutyl 2-methylbutyrate	14.22
2 methylbutyl isobutyrate	11.99
2-methyl butyl isovalerate	6.66
isobutyl 2-methylbutyrate	4.42
isobutyl isobutyrate	2.48
isoamyle isobutyrate	2.39
isobutyle isovalerate	1.77
isoamyl isovalerate	1.30
3-methyl-2-butenyl-3-methyl butanoate	1.04
lavandulyl isobutanoate	0.80
geranyl propionate	0.67
lavandulyl 2-methylbutyrate	0.56
citronellol isobutanoate	0.51
prenyl isobutyrate	0.44
benzyl isovalerate	0.32
phenyl ethyl 2-methylbutanoate	0.16
prenylethyl isobutyrate	0.12
cis 3 hexenyl isovalerate	0.09
lavandulyl acetate	0.09
geranyl butyrate	0.04
cis 3 hexenyl butyrate	0.03
isobutyl butyrate	0.03
neryl isovalerate	0.02
isopentyl butanoate	0.02
bornyl acetate	0.02
ethyl isovalerate	0.01
propyl 2-methylbutyrate	0.01

Ketones 1.92%

6-methyl-5-hepten-2-one	0.01
isopulegone	0.06
pulegone	1.71
carvone	0.08
piperitenone	0.02
β damascenone	0.04

Sesquiterpenes 1.17%

germacrene D	0.44
β sesquiphellandrene	0.21
(E) β farnesene	0.17
α cubebene	0.12
β copaene	0.06
β cadinene	0.06
(E) α bergamotene	0.05
β cubebene	0.02
β elemene	0.02
aromadendrene	0.01
dauca-5,8-diene	0.01

Sesquiterpenols 0.02%

geranyl linalol	0.02
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Other 0.1%

2-methylbutyric acid	0.04
1-octen-3-ol	0.01
3 octanol	0.02
1 octanol	0.02
tridecane	0.01

Client



Source

Ammi Visnaga (Ammi Visnaga)
MO-59101

Sample

Ammi Visnaga (Ammi Visnaga)
Batch #:..... MO-59101
Type:..... Essential Oil
CAS Number:.....
Nature's Gift

Client



Website

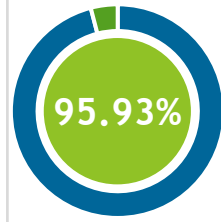
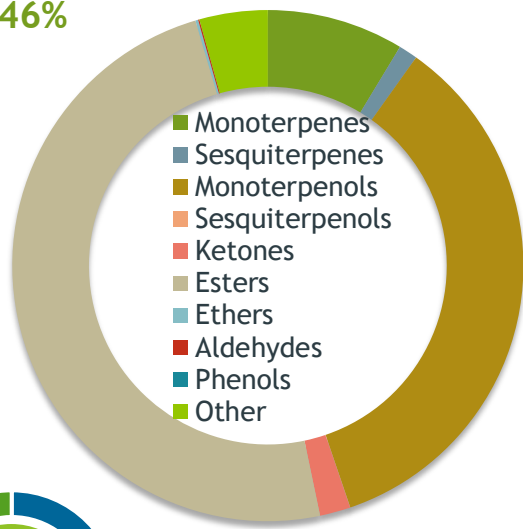


Primary

32.22% | Linalool
14.02 | 2-Methylbutyl 2-
11.99% | 2-Methylbutyl

Esters

47.46%



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 Ammi Visnaga (Ammi Visnaga)

Internal Number: | EVS-3918



Essential Validation Services

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

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

Alan Christen

Monoterpenes	8.43%	8.43%
Sesquiterpenes	1.17%	1.17%
Monoterpenols	34.03%	34.03%
Sesquiterpenols	0.02%	0.02%
Ketones	1.88%	1.88%
Esters	47.46%	47.46%
Ethers	0.17%	0.17%
Aldehydes	0.08%	0.08%
Phenols	0.00%	0.00%
Other	4.21%	4.21%

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Client



Source

Ammi Visnaga (Ammi Visnaga)

MO-59101

Total Percentage		95.93%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.74	0.04%	2-Methylbutyric acid	Aliphatic Acid
2	5.87	0.01%	Ethyl isovalerate	Aliphatic Ester
3	7.88	2.48%	Isobutyl isobutyrate	Aliphatic Ester
4	8.27	0.58%	alpha-Thujene	Monoterpene
5	8.53	0.25%	alpha-Pinene	Monoterpene
6	9.08	0.01%	Propyl 2-methylbutyrate	Aliphatic Ester
7	9.15	0.01%	Camphene	Monoterpene
8	9.38	0.03%	Isobutyl butyrate	Aliphatic Ester
9	10.11	1.14%	Sabinene	Monoterpene
10	10.28	0.09%	beta-Pinene	Monoterpene
11	10.53	0.01%	1-Octen-3-ol	Aliphatic Alcohol
12	10.71	0.01%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
13	10.87	0.73%	Myrcene	Monoterpene
14	11.26	0.02%	3-Octanol	Aliphatic Alcohol
15	11.45	4.42%	Isobutyl 2-methylbutyrate	Aliphatic Ester
16	11.65	1.77%	Isobutyl isovalerate	Aliphatic Ester
17	11.90	2.39%	Isoamyl isobutyrate	Aliphatic Ester
18	12.06	11.99%	2-Methylbutyl isobutyrate	Aliphatic Ester
19	12.35	0.32%	para-Cymene	Monoterpene
20	12.55	1.01%	Limonene	Monoterpene
21	12.69	0.11%	1,8-Cineole	Monoterpene Ether
22	12.93	1.46%	(Z)-beta-Ocimene	Monoterpene
23	13.39	2.44%	(E)-beta-Ocimene	Monoterpene
24	13.58	0.02%	9.72 Isopentyl butanoate	0.00
25	13.85	0.44%	Prenyl isobutyrate	Aliphatic Ester
26	14.47	0.17%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
27	14.61	0.02%	1-Octanol	Aliphatic Alcohol
28	14.68	0.04%	Bergamal	Aliphatic Aldehyde
29	15.11	0.11%	Terpinolene	Monoterpene
30	15.22	0.09%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
31	15.31	0.03%	para-Cymenene	Monoterpene
32	15.66	0.06%	alpha-Pinene oxide	Monoterpene Ether
33	16.01	32.22%	Linalool	Monoterpenol
34	16.09	14.02%	2-Methylbutyl 2-methylbutyrate	Aliphatic Ester
35	16.20	1.30%	Isoamyl isovalerate	Aliphatic Ester

Client



Source

Ammi Visnaga (Ammi Visnaga)
MO-59101

Number	RT	Area %	Compound Name	Chemical Family
36	16.304	6.66%	2-Methyl Butyl Isovalerate	Aliphatic Ester
37	16.43	0.22%	1-Nonen-3-ol	Monoterpenol
38	16.93	0.01%	cis-para-Menth-2-en-1-ol	Monoterpenol
39	17.15	0.26%	Alloocimene	Monoterpene
40	17.84	1.04%	25.51 Butanoate<3-methyl-2-butenyl 3-methyl	0.00
41	18.81	0.04%	Lavandulol	Monoterpenol
42	19.10	0.02%	para-Mentha-1,5-dien-8-ol	Monoterpenol
43	19.26	0.06%	Isopulegone	Monoterpene Ketone
44	19.49	0.24%	Terpinen-4-ol	Monoterpenol
45	19.98	0.03%	(Z)-3-Hexenyl butyrate	Aliphatic Ester
46	20.18	0.84%	alpha-Terpineol	Monoterpenol
47	21.60	0.03%	Nerol	Monoterpenol
48	21.73	0.04%	Citronellol	Monoterpenol
49	21.89	0.09%	cis-3-Hexenyl isovalerate	Aliphatic Ester
50	22.11	1.71%	Pulegone	Monoterpene Ketone
51	22.38	0.08%	Carvone	Monoterpene Ketone
52	22.79	0.11%	Geraniol	Monoterpenol
53	24.21	0.02%	Bornyl acetate	Monoterpene Ester
54	24.31	0.09%	Lavandulyl acetate	Monoterpene Ester
55	25.06	0.01%	Tridecane	Alkane
56	26.53	0.02%	Piperitenone	Sesquiterpene Ketone
57	28.16	0.12%	alpha-Cubebene	Sesquiterpene
58	28.32	0.04%	beta-Damascenone	Terpene Ketone/Aroma Chemical
59	28.61	0.32%	Benzyl isovalerate	Phenolic Ester
60	28.70	0.02%	beta-Cubebene	Sesquiterpene
61	28.77	0.02%	beta-Elemene	Sesquiterpene
62	28.94	0.12%	Phenylethyl isobutyrate	Phenolic ester
63	30.03	0.80%	25.51 Lavandulyl isobutanoate	0.00
64	30.41	0.06%	beta-Copaene	Sesquiterpene
65	30.62	0.05%	trans-alpha-Bergamotene	Sesquiterpene
66	31.50	0.17%	(E)-beta-Farnesene	Sesquiterpene
67	31.98	0.01%	Aromadendrene	Sesquiterpene
68	32.28	0.01%	Dauca-5,8-diene	Sesquiterpene
69	32.50	0.44%	Germacrene D	Sesquiterpene
70	32.62	0.51%	28.07 Citronellol isobutanoate	0.00
71	32.73	0.16%	28.25 Phenyl ethyl 2-methylbutanoate	0.00

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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



Ammi Visnaga (Ammi Visnaga)
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72	33.53	0.67%	Geranyl propionate	Monoterpene Ester
73	33.66	0.56%	Lavandulyl 2-methylbutyrate	Monoterpene Ester
74	34.05	0.06%	beta-Cadinene	Sesquiterpene
75	34.29	0.21%	beta-Sesquiphellandrene	Sesquiterpene
76	35.71	0.04%	Geranyl butyrate	Monoterpene Ester
77	37.21	0.02%	32.18 Neryl isovalerate	0.00
78	45.84	0.04%	Hexadecanal	Sesquiterpene Aldehyde
79	52.60	0.02%	Geranyl Linalool	Sesquiterpenol

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