

Client



Source



Petitgrain Bigarade (Citrus aurantium amara)

EG-59433 - Egypt

Sample

Petitgrain Bigarade (Citrus aurantium

Identification #: EG-59433

Type:..... Essential Oil

CAS Number:... 8016-38-4

Nature's Gift

Properties

Country Of Origin Egypt

Specific Gravity NT

Refractive Index NT

Primary

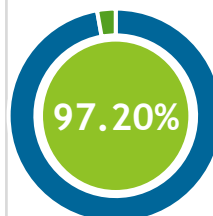
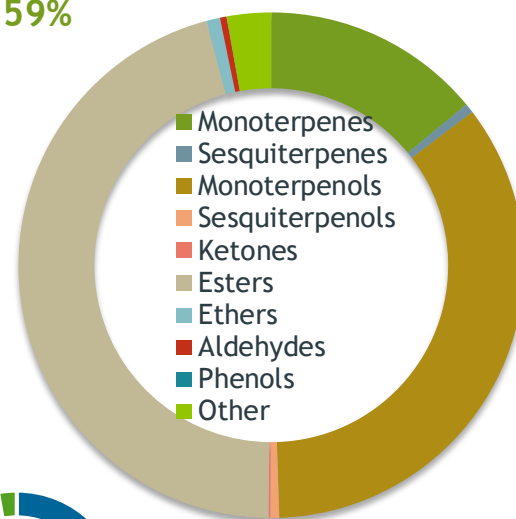
35.45% Linalyl acetate

25.20% Linalool

9.71% Limonene

Esters

45.59%



Percentage Identified

Result



1/28/2025

Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Petitgrain Bigarade (Citrus aurantium amara)

Internal Number: | EVS-6560



Essential Validation Services

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Berthoud, CO 80513

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<https://essentialvalidationservices.com/>

Alan Christman

Monoterpenes	14.01%	14.01
Sesquiterpenes		0.59%
Monoterpenols	34.78%	34.78
Sesquiterpenols		0.56%
Ketones		0.12%
Esters	45.59%	45.59
Ethers		0.87%
Aldehydes		0.42%
Phenols		0.00%
Other		2.83%

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Total Percentage		97.20%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.90	0.01%	2.97 Methyl-2-butenal<3->	0.00
2	5.62	0.01%	(E)-Hex-3-en-1-ol	Aliphatic Alcohol
3	5.93	0.01%	(E)-2-Hexenol	Aliphatic Alcohol
4	6.04	0.01%	1-Hexanol	Aliphatic Alcohol
5	7.90	0.02%	alpha-Thujene	Monoterpene
6	8.15	0.23%	alpha-Pinene	Monoterpene
7	9.70	0.24%	Sabinene	Monoterpene
8	9.86	1.77%	beta-Pinene	Monoterpene
9	10.25	0.04%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
10	10.44	1.07%	Myrcene	Monoterpene
11	11.19	0.24%	delta-3-Carene	Monoterpene
12	11.90	0.26%	para-Cymene	Monoterpene
13	12.14	9.71%	Limonene	Monoterpene
14	12.47	0.15%	(Z)-beta-Ocimene	Monoterpene
15	12.93	0.29%	(E)-beta-Ocimene	Monoterpene
16	13.96	0.79%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
17	14.69	0.64%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
18	15.26	0.01%	Perillene	Monoterpene Ether
19	15.54	25.20%	Linalool	Monoterpenol
20	16.32	0.06%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
21	16.42	0.01%	cis-para-Menth-2-en-1-ol	Monoterpenol
22	16.66	0.03%	Alloocimene	Monoterpene
23	16.98	0.06%	cis-para-Mentha-2,8-dien-1-ol	Monoterpenol
24	17.11	0.03%	trans-Pinocarveol	Monoterpenol
25	17.58	0.01%	beta-Terpineol	Monoterpenol
26	18.52	0.07%	cis-Linalool oxide (6) (pyranoid)	Monoterpenol
27	18.80	0.05%	trans-Linalool oxide (6) (pyranoid)	Monoterpene Ether
28	18.96	0.17%	Terpinen-4-ol	Monoterpenol
29	19.36	0.10%	para-Cymen-8-ol	Monoterpenol
30	19.57	0.28%	(Z)-3-Hexenyl butyrate	Aliphatic Ester
31	19.73	6.50%	alpha-Terpineol	Monoterpenol
32	20.83	0.10%	trans-Carveol	Monoterpenol
33	21.10	0.98%	Nerol	Monoterpenol
34	21.44	0.06%	cis-Carveol	Monoterpenol
35	21.65	0.15%	Neral	Monoterpene Aldehyde

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36	21.85	0.08%	Carvone	Monoterpene Aldehyde
37	22.39	35.45%	Linalyl acetate	Monoterpene Ester
38	23.00	0.27%	Geranial	Monoterpene Aldehyde
39	23.39	0.21%	Neryl formate	Monoterpene Ester
40	24.35	0.41%	Geranyl formate	Monoterpene Ester
41	24.48	0.03%	19.98 Thujanol acetate<3->	0.00
42	25.35	0.03%	Methyl geranate	Monoterpene Ester
43	25.80	0.05%	Linalyl propionate	Monoterpene Ester
44	26.39	0.29%	alpha-Terpinyl acetate	Monoterpene Ester
45	26.60	0.06%	Citronellyl acetate	Monoterpene Ester
46	27.00	3.28%	Neryl acetate	Monoterpene Ester
47	27.55	0.01%	alpha-Copaene	Sesquiterpene
48	27.86	5.49%	Geranyl acetate	Monoterpene Ester
49	28.19	0.04%	beta-Elemene	Sesquiterpene
50	28.99	0.14%	24.57 Decenyl acetate<9->	0.00
51	29.35	0.44%	beta-Caryophyllene	Sesquiterpene
52	29.82	0.05%	25.54 Carvone hydrate	0.00
53	30.13	0.02%	Aromadendrene	Sesquiterpene
54	30.82	0.07%	alpha-Humulene	Sesquiterpene
55	32.65	0.01%	alpha-Murolene	Sesquiterpene
56	34.61	0.03%	Elemol	Sesquiterpenol
57	35.18	0.23%	(E)-Nerolidol	Sesquiterpenol
58	35.64	0.16%	Spathulenol	Sesquiterpenol
59	35.80	0.73%	Caryophyllene oxide	Sesquiterpene Ether
60	35.97	0.03%	Globulol	Sesquiterpenol
61	36.29	0.01%	Viridiflorol	Sesquiterpenol
62	36.86	0.08%	Humulene epoxide II	Sesquiterpene Ether
63	37.79	0.07%	Isospathulenol	Sesquiterpenol
64	38.63	0.03%	alpha-Cadinol	Sesquiterpenol
65	40.94	0.04%	Nerolidyl acetate	Monoterpene Ester



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