

Client



Source



Geranium (Pelargonium graveolens)

ZA-59431 - South Africa

Sample

Geranium (Pelargonium graveolens)

Identification #: ZA-59431

Type:..... Essential Oil

CAS Number:... 8000-46-2

Nature's Gift

Properties

Country Of Origin | South Africa

Specific Gravity | NT

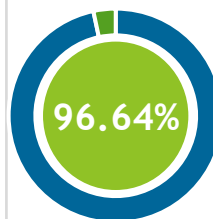
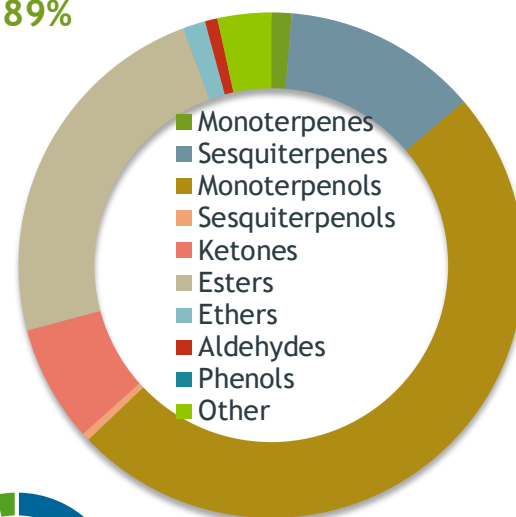
Refractive Index | NT

Primary

21.15% | Citronellol15.58% | Geraniol9.93% | Linalool

Monoterpenols

48.89%



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 Geranium (Pelargonium graveolens)

Internal Number: | EVS-6558



Essential Validation Services

240 Goose Hollow Road

Berthoud, CO 80513

317.361.5044 |

<https://essentialvalidationservices.com/>

Monoterpenes	1.29%
Sesquiterpenes	12.46%
Monoterpenols	48.89%
Sesquiterpenols	0.50%
Ketones	7.44%
Esters	23.40%
Ethers	1.44%
Aldehydes	0.80%
Phenols	0.00%
Other	3.41%

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Total Percentage		96.64%		
Number	RT	Area %	Compound Name	Chemical Family
1	5.36	0.03%	3-Methylpentanol	Aliphatic Alcohol
2	5.62	0.01%	cis-Hex-3-en-1-ol	Aliphatic Alcohol
3	7.73	0.01%	Tricyclene	Monoterpene
4	8.15	0.50%	alpha-Pinene	Monoterpene
5	8.76	0.01%	Camphene	Monoterpene
6	9.86	0.01%	beta-Pinene	Monoterpene
7	10.10	0.01%	1-Octen-3-ol	Aliphatic Alcohol
8	10.25	0.07%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
9	10.44	0.15%	Myrcene	Monoterpene
10	11.09	0.09%	alpha-Phellandrene	Monoterpene
11	11.56	0.01%	2-Carene	Monoterpene
12	11.89	0.07%	para-Cymene	Monoterpene
13	12.09	0.21%	Limonene	Monoterpene
14	12.47	0.09%	(Z)-beta-Ocimene	Monoterpene
15	12.93	0.08%	(E)-beta-Ocimene	Monoterpene
16	13.20	0.01%	Bergamal	Aliphatic Aldehyde
17	13.95	0.21%	cis-Linalool oxide (5) (furanoid)	Monoterpenol
18	14.68	0.12%	trans-Linalool oxide (5) (furanoid)	Monoterpenol
19	15.26	0.01%	Perillene	Monoterpene Ether
20	15.46	9.93%	Linalool	Monoterpenol
21	15.52	0.01%	6-Methyl-3,5-heptadien-2-one	Monoterpene Ketone
22	15.80	1.00%	cis-Rose oxide	Monoterpene Ether
23	16.50	0.43%	trans-Rose oxide	Monoterpene Ether
24	16.64	0.02%	Alloocimene	Monoterpene
25	17.01	0.02%	12.45 Undecyne<1->	0.00
26	17.49	0.06%	Isopulegol	Monoterpenol
27	17.82	1.89%	Menthone	Monoterpene Ketone
28	18.25	5.47%	Isomenthone	Monoterpene Ketone
29	18.60	0.03%	para-Mentha-1,5-dien-8-ol	Monoterpenol
30	18.88	0.01%	Menthol	Monoterpenol
31	19.34	0.11%	Neoisomenthol	Monoterpenol
32	19.67	0.97%	alpha-Terpineol	Monoterpenol
33	21.08	0.54%	Nerol	Monoterpenol
34	21.41	21.15%	Citronellol	Monoterpenol
35	21.67	0.24%	Neral	Monoterpene Aldehyde

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Number	RT	Area %	Compound Name	Chemical Family
36	22.467	15.58%	Geraniol	Monoterpene Aldehyde
37	22.82	0.18%	trans-Myrtanol	Monoterpenol
38	23.02	0.55%	Geranial	Monoterpene Aldehyde
39	23.34	9.03%	Citronellyl formate	Monoterpene Ester
40	23.42	0.24%	Neryl formate	Monoterpene Ester
41	24.41	5.98%	Geranyl formate	Monoterpene Ester
42	24.60	0.07%	19.96 Menth-1-en-9-ol<para->	0.00
43	25.71	0.01%	delta-Elemene	Sesquiterpene
44	26.37	0.07%	alpha-Cubebene	Sesquiterpene
45	26.52	0.05%	2-Phenylethyl propionate	Monoterpene Ester
46	26.60	0.38%	Citronellyl acetate	Monoterpene Ester
47	26.97	0.01%	Neryl acetate	Monoterpene Ester
48	27.28	0.03%	alpha-Ylangene	Sesquiterpene
49	27.56	0.33%	alpha-Copaene	Sesquiterpene
50	27.87	1.33%	beta-Bourbonene	Sesquiterpene
51	28.18	0.16%	beta-Elemene	Sesquiterpene
52	28.36	0.10%	Phenylethyl isobutyrate	Phenolic ester
53	28.74	0.01%	cis-Caryophyllene	Sesquiterpene
54	28.86	0.02%	alpha-Gurjunene	Sesquiterpene
55	29.35	1.01%	beta-Caryophyllene	Sesquiterpene
56	30.07	0.65%	alpha-Guaiene	Sesquiterpene
57	30.33	5.53%	6,9-Guaiadiene	Sesquiterpene
58	30.60	0.47%	beta-Copaene	Sesquiterpene
59	30.72	0.07%	Neryl propionate	Monoterpene Ester
60	30.83	0.27%	alpha-Humulene	Sesquiterpene
61	31.01	0.12%	allo-Aromadendrene	Sesquiterpene
62	31.12	0.01%	cis-Muurolo-4(14),5-diene	Sesquiterpene
63	31.58	1.32%	Geranyl propionate	Monoterpene Ester
64	31.88	0.67%	Germacrene D	Sesquiterpene
65	32.01	0.06%	28.07 Citronellol isobutanoate	0.00
66	32.07	0.08%	gamma-Muuroloene	Sesquiterpene
67	32.18	0.35%	beta-Selinene	Sesquiterpene
68	32.30	0.04%	1-epi-Bicyclosesquiphellandrene	Monoterpene
69	32.49	0.11%	alpha-Selinene	Sesquiterpene
70	32.65	0.17%	alpha-Muuroloene	Sesquiterpene

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[illegible]