

EVS | ESSENTIAL VALIDATION SERVICES | 240 GOOSE HOLLOW ROAD BERTHOUD, COLORADO 80513 | 317-361-5044

Client



Source



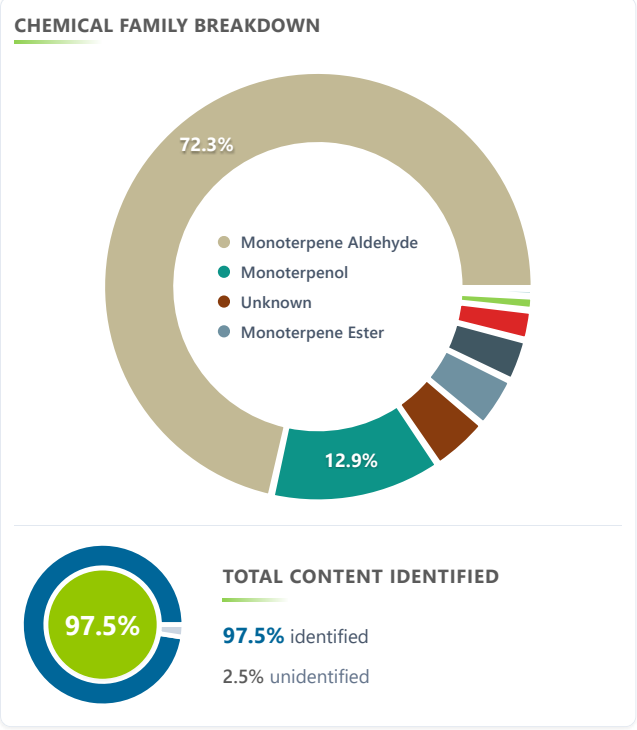
Lemon, Eucalyptus (*Eucalyptus citriodora*)
EVS-2025-NG-6



Sample

Lemon, Eucalyptus (*Eucalyptus citriodora*)

Batch #: CN-59519
Type: Essential Oil
Origin: China
CAS #: 85203-56-1



Client

NATURE'S GIFT


Properties

RI: NT
SG: NT

Primary

- 72.32%** | Citronellal
- 8.91%** | Citronellol
- 3.56%** | Citronellyl acetate
- 3.43%** | Isopulegol

Result



Pass
Meets specifications

ANALYSIS SUMMARY
Total Compounds:

59

Conclusion

PROFESSIONAL ANALYSIS SUMMARY

Analysis of this Lemon, Eucalyptus (*Eucalyptus citriodora*) Essential Oil sample was conducted against the Lemon Eucalyptus (*Eucalyptus citriodora*) standard specification. The chromatographic analysis accounted for 98.2% of the total sample composition. All major constituents were found to be within the expected ranges specified in the standard. No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Lemon Eucalyptus (*Eucalyptus citriodora*).

Adam Christensen • Nov 20, 2025

Adam Christensen
Analyst Signature

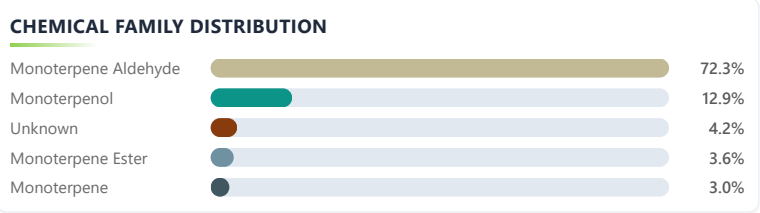
Date
Nov 13, 2025

Lab



Essential Validation Services
EO Testing Lab

240 Goose Hollow Road
Berthoud, Colorado 80513
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- Essential Oil testing is performed by using qualitative GC-MS, Method: S0PT.01 Client Method
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Expected vs. Detected Components

Comparison against EVS Internal Standard for Lemon Eucalyptus (*Eucalyptus citriodora*) - Essential Validation Services

Compound	Expected	Detected	Status	Family
1 Citronellal	55.00-79.00%	72.32%	✓	Monoterpene Aldehyde
2 Isopulegol	2.00-12.50%	3.43%	✓	Monoterpenol
3 Citronellol	0.04-7.50%	8.91%	⚠	Monoterpenol
4 Citronellyl acetate	0.51-3.20%	3.56%	⚠	Monoterpene Ester
5 beta-Caryophyllene	0.52-2.30%	1.56%	✓	Sesquiterpene
6 beta-Pinene	0.47-2.00%	0.99%	✓	Monoterpene
7 alpha-Pinene	0.17-1.00%	0.45%	✓	Monoterpene
8 Terpinolene	0.06-1.00%	0.26%	✓	Monoterpene
9 Limonene	0.10-1.00%	0.36%	✓	Monoterpene
10 gamma-Terpinene	0.10-0.75%	0.24%	✓	Monoterpene
11 Sabinene	0.04-0.60%	0.12%	✓	Monoterpene
12 Bergamal	0.00-0.30%	0.21%	✓	Aliphatic Aldehyde
13 Myrcene	0.00-0.30%	0.15%	✓	Monoterpene
14 para-Cymene	0.00-0.20%	0.08%	✓	Monoterpene
15 alpha-Thujene	0.00-0.20%	0.05%	✓	Monoterpene

Professional Analysis Summary

1 Sample Analysis

This Lemon, Eucalyptus (*Eucalyptus citriodora*) sample shows 59 detected compounds (57 identified, 96.6% rate).

2 Major Components

Predominant: Citronellal (72.3%), Citronellol (8.9%), Citronellyl acetate (3.6%), +2 others.

3 Chemical Profile

17 chemical families: Monoterpene Aldehyde, Monoterpenol, Monoterpene Ester, +14 others.

4 Quality Assessment

Sample meets specifications for Lemon, Eucalyptus (*Eucalyptus citriodora*).

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Total Percentage:

98.25%

Number	RT	Area %	Compound Name	Chemical Family
1	9.87	0.08%	Isobutyl isobutyrate	Aliphatic Ester
2	10.48	0.05%	alpha-Thujene ✓ (0.00%-0.20%)	Monoterpene
3	10.77	0.45%	alpha-Pinene ✓ (0.17%-1.00%)	Monoterpene
4	11.95	0.12%	Sabinene ✓ (0.04%-0.60%)	Monoterpene
5	12.17	0.99%	beta-Pinene ✓ (0.47%-2.00%)	Monoterpene
6	12.29	0.15%	Myrcene ✓ (0.00%-0.30%)	Monoterpene
7	12.92	0.04%	Isoamyl isobutyrate	Aliphatic Ester
8	12.99	0.01%	alpha-Phellandrene	Monoterpene
9	13.05	0.03%	2-Methylbutyl isobutyrate	Aliphatic Ester
10	13.40	0.02%	alpha-Terpinene	Monoterpene
11	13.65	0.08%	para-Cymene ✓ (0.00%-0.20%)	Monoterpene
12	13.84	0.36%	Limonene ✓ (0.10%-1.00%)	Monoterpene
13	13.90	0.10%	delta-3-Carene	Monoterpene
14	14.00	0.71%	1,8-Cineole	Monoterpene Ether
15	14.32	0.03%	(Z)-beta-Ocimene	Monoterpene
16	14.55	0.21%	Bergamal ✓ (0.00%-0.30%)	Aliphatic Aldehyde
17	14.91	0.24%	gamma-Terpinene ✓ (0.10%-0.75%)	Monoterpene
18	15.35	0.08%	p-Mentha-3,8-diene	Monoterpene
19	15.54	0.07%	1-Octanol	Aliphatic Alcohol
20	16.11	0.26%	Terpinolene ✓ (0.06%-1.00%)	Monoterpene
21	16.32	0.26%	Linalool	Monoterpenol
22	16.87	0.06%	cis-Rose oxide	Monoterpene Ether
23	17.41	0.10%	beta-Thujone	Monoterpene Ketone
24	17.54	0.02%	Alloocimene	Monoterpene
25	17.60	0.03%	trans-Rose oxide	Monoterpene Ether
26	18.66	72.32%	Citronellal ✓ (55.00%-79.00%)	Monoterpene Aldehyde
27	18.91	0.09%	Menthone	Monoterpene Ketone
28	19.06	3.43%	Isopulegol ✓ (2.00%-12.50%)	Monoterpenol
29	19.34	0.05%	Isomenthone	Monoterpene Ketone
30	19.53	0.46%	14.38 Isopulegol<neoiso->	Unknown
31	19.67	0.05%	Isopinocampone	Monoterpene Ketone


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4

Number	RT	Area %	Compound Name	Chemical Family
32	19.87	0.04%	Terpinen-4-ol	Monoterpenol
33	20.36	0.08%	alpha-Terpineol	Monoterpenol
34	21.63	8.91%	Citronellol ⚠	Monoterpenol
35	21.74	0.10%	Nerol	Monoterpenol
36	22.76	0.05%	Geraniol	Monoterpenol
37	23.00	0.28%	UK	Unknown
38	23.84	0.03%	Isopulegyl acetate	Monoterpene Ester
39	24.76	0.02%	20.09 Benzyl isobutanoate	Unknown
40	24.94	0.30%	20.75 Citronellic acid	Unknown
41	25.53	0.08%	4-Vinylguaiaicol	Simple Phenolic
42	26.41	0.93%	21.44 Menthol<8-hydroxy-neo->	Unknown
43	26.76	0.07%	delta-Elemene	Sesquiterpene
44	26.93	3.56%	Citronellyl acetate ⚠	Monoterpene Ester
45	27.29	0.45%	UK	Unknown
46	27.40	0.07%	Eugenol	Phenylpropanoid
47	28.21	0.06%	Geranyl acetate	Monoterpene Ester
48	28.95	0.05%	Phenylethyl isobutyrate	Phenolic ester
49	29.07	0.07%	beta-Elemene	Sesquiterpene
50	29.19	0.11%	cis-Jasmone	Jasmonate
51	30.46	1.56%	beta-Caryophyllene ✔	Sesquiterpene
52	30.77	0.03%	gamma-Elemene	Sesquiterpene
53	31.85	0.10%	alpha-Humulene	Sesquiterpene
54	32.16	0.01%	allo-Aromadendrene	Sesquiterpene
55	32.93	0.10%	Germacrene D	Sesquiterpene
56	33.55	0.07%	Bicyclogermacrene	Sesquiterpene
57	34.06	0.05%	Pentadecane	Alkane
58	36.76	0.02%	Spathulenol	Sesquiterpenol
59	37.06	0.10%	Caryophyllene oxide	Sesquiterpene Ether

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