

Client



Source



Citronella (*Cymbopogon winterianus*)
CIT10418

Sample

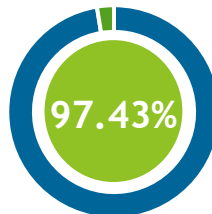
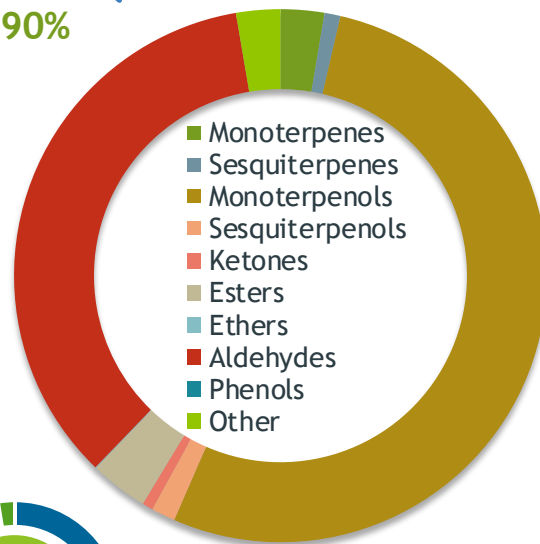
Citronella (*Cymbopogon winterianus*)

Batch #:..... CITI0418
Type:..... Essential Oil
CAS Number:... 8000-29-1

Natural Sourcing LLC

Monoterpenols

52.90%



Percentage Identified

Client



Website



Primary

33.19% Citronellal
27.67% Geraniol
20.23% Citronellol

Result



Conclusion

No adulterants, diluents, or contaminants were detected via this method. This oil meets the expected profile for genuine Essential Oil of Citronella (*Cymbopogon winterianus*)

Internal Number: | EVS-3687



Essential Validation Services

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Gainesville, FL 32601

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Monoterpenes	2.65%
Sesquiterpenes	0.97%
Monoterpenols	52.90%
Sesquiterpenols	1.46%
Ketones	0.65%
Esters	3.53%
Ethers	0.05%
Aldehydes	35.09%
Phenols	0.00%
Other	2.68%

- 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- This report may not be published without the consent of Essential Validation Services.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

Client



Source

*Citronella (Cymbopogon winterianus)*

CITI0418

Total Percentage		97.43%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.92	0.04%	Prenol	Aliphatic Ester
2	5.44	0.04%	Isovaleric acid	Aliphatic Acid
3	6.25	0.04%	(E)-Hex-3-en-1-ol	Aliphatic Alcohol
4	8.57	0.25%	alpha-Pinene	Monoterpene
5	10.15	0.04%	Sabinene	Monoterpene
6	10.32	0.24%	beta-Pinene	Monoterpene
7	10.68	0.59%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
8	10.90	0.13%	Myrcene	Monoterpene
9	11.47	0.01%	Pseudolimonene	Monoterpene
10	12.38	0.31%	meta-Cymene	Monoterpene
11	12.60	1.66%	Limonene	Monoterpene
12	12.70	0.05%	1,8-Cineole	Monoterpene Ether
13	13.43	0.01%	(E)-beta-Ocimene	Monoterpene
14	13.70	0.02%	Bergamal	Aliphatic Aldehyde
15	14.57	0.01%	4-Nonanone	Aliphatic Ketone
16	15.88	1.90%	Linalool	Monoterpenol
17	16.85	0.05%	Nonanal	Aliphatic Aldehyde
18	17.23	0.03%	alpha-Thujone	Monoterpene Ketone
19	18.03	0.88%	neo-Isopulegol	Monoterpenol
20	18.45	33.19%	Citronellal	Monoterpene Aldehyde
21	18.74	0.01%	(Z)-isocitral	Monoterpene Aldehyde
22	18.84	0.02%	Isomenthone	Monoterpene Ketone
23	19.02	0.03%	Isopulegol	Monoterpenol
24	19.12	0.01%	Borneol	Monoterpenol
25	19.56	0.10%	trans-para-Mentha-1(7),8-dien-2-ol	Monoterpenol
26	20.20	0.54%	alpha-Terpineol	Monoterpenol
27	20.33	0.03%	Dihydrocitronellol	Synthetic
28	20.79	0.02%	Decanal	Aliphatic Aldehyde
29	21.24	0.15%	cis-Piperitol	Monoterpenol
30	21.63	1.39%	Nerol	Monoterpenol
31	21.91	20.23%	Citronellol	Monoterpenol
32	22.23	0.68%	Neral	Monoterpene Aldehyde
33	23.04	27.67%	Geraniol	Monoterpenol
34	23.59	1.12%	Geranial	Monoterpene Aldehyde
35	23.86	0.02%	Citronellyl formate	Monoterpene Ester

ESSENTIAL VALIDATION SERVICES | 747 SW 2ND AVE GAINESVILLE, FLORIDA 32601 | 317-361-5044

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