

May Chang Litsea cubeba

China

Batch #CH-59147

Monoterpenes 15.19%

limonene	9.55
sabinene	1.42
myrcene	1.23
α pinene	1.11
β pinene	1.04
camphene	0.24
(Z) β ocimene	0.15
(E) β ocimene	0.13
terpinolene	0.07
γ terpinene	0.07
α phellandrene	0.05
α thujene	0.04
α terpinene	0.03
para-cymene	0.03
alloocimene	0.03

Monoterpenols 4.09%

geraniol	1.32
linalool	1.26
nerol	0.56
α terpineol	0.30
citronellol	0.24
terpinen-4-ol	0.22
borneol	0.08
(E) sabinene hydrate	0.04
(E) carveol	0.03
trans-piperitol	0.03
(Z) para-menth-2-en-1-ol	0.01

Sesquiterpenes 1.13%

β carophyllene	0.67
bicylogermacrene	0.08
α copaene	0.07
β elemene	0.06
α humulene	0.06
(E) β farnesene	0.05
germacrene D	0.04
δ elemene	0.03
β bisabolene	0.03
(E,E) α farnesene	0.02
δ cadinene	0.02

Sesquiterpenes 0.05%

isopulegol	0.03
spathulenol	0.02

Other 0.11%

6-methyl-5-hepten-2-ol	0.05
neric acid	0.06

Aldehydes 76.78%

geranial	40.74
neral	30.88
citronellal	2.46
(E) isocitral	1.59
(Z) isocitral	0.90
exo-isocitral	0.19
bergamal	0.02

Ethers 0.85%

1,8 cineole	0.73
caryophyllene oxide	0.07
(Z) limonene oxide	0.02
(E) limonene oxide	0.02
perillene	0.01

Esters 0.1%

α terpinyl acetate	0.05
geranyl acetate	0.03
methyl salicylate	0.01
bornyl acetate	0.01

Ketones 1.44%

6-methyl-5-hepten-2-one	1.44
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Raw Material: fruit

Production Method: Steam distillation

Date of Analysis: 2/11/2021

Client



Source



Litsea (Litsea cubeba)
CH-59147

Sample

Litsea (Litsea cubeba)
Batch #:..... CH-59147
Type:..... Essential Oil
CAS Number:... 68855-99-2
Nature's Gift

Client



Website

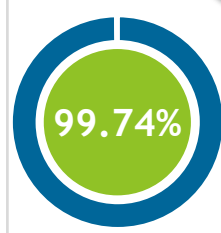
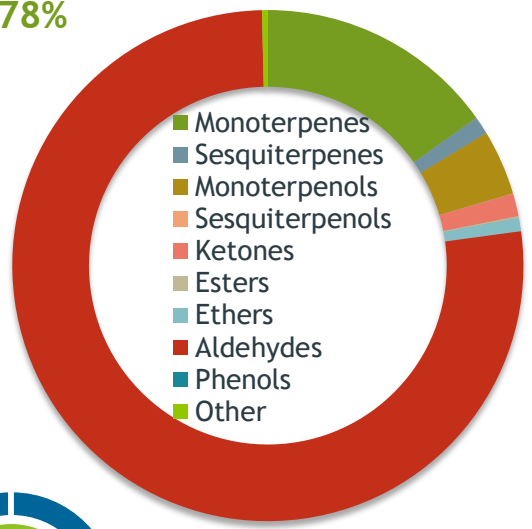


Primary

40.74% | Geranial
30.88 | Neral
9.55% | Limonene

Aldehydes

76.78%



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 Litsea (Litsea cubeba)

Internal Number: | EVS-4191



Essential Validation Services

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

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

Alan Chastain

Monoterpenes	15.1	15.19%
Sesquiterpenes		1.13%
Monoterpenols		4.12%
Sesquiterpenols		0.02%
Ketones		1.44%
Esters		0.10%
Ethers		0.85%
Aldehydes	76.78%	76.78%
Phenols		0.00%
Other		0.37%

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

- 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



Litsea (Litsea cubeba)

CH-59147

Total Percentage		99.74%		
Number	RT	Area %	Compound Name	Chemical Family
1	8.04	0.04%	alpha-Thujene	Monoterpene
2	8.30	1.11%	alpha-Pinene	Monoterpene
3	8.91	0.24%	Camphene	Monoterpene
4	9.86	1.42%	Sabinene	Monoterpene
5	10.03	1.04%	beta-Pinene	Monoterpene
6	10.40	1.44%	6-Methyl-5-hepten-2-one	Aliphatic Ketone
7	10.61	1.23%	Myrcene	Monoterpene
8	10.79	0.05%	6-Methyl-5-hepten-2-ol	Aliphatic Alcohol
9	11.26	0.05%	alpha-Phellandrene	Monoterpene
10	11.73	0.03%	alpha-Terpinene	Monoterpene
11	12.07	0.03%	para-Cymene	Monoterpene
12	12.30	9.55%	Limonene	Monoterpene
13	12.38	0.73%	1,8-Cineole	Monoterpene Ether
14	12.65	0.15%	(Z)-beta-Ocimene	Monoterpene
15	13.11	0.13%	(E)-beta-Ocimene	Monoterpene
16	13.37	0.02%	Bergamal	Aliphatic Aldehyde
17	13.59	0.07%	gamma-Terpinene	Monoterpene
18	14.12	0.04%	trans-Sabinene hydrate	Monoterpenol
19	14.82	0.07%	Terpinolene	Monoterpene
20	15.45	0.01%	Perillene	Monoterpene Ether
21	15.54	1.26%	Linalool	Monoterpenol
22	16.59	0.01%	cis-para-Menth-2-en-1-ol	Monoterpenol
23	16.84	0.03%	Alloocimene	Monoterpene
24	16.97	0.02%	cis-Limonene oxide	Monoterpene Ether
25	17.17	0.02%	trans-Limonene oxide	Monoterpene Ether
26	17.52	0.19%	exo-Isocitral	Monoterpene Aldehyde
27	17.68	0.03%	Isopulegol	Monoterpenol
28	17.94	2.46%	Citronellal	Monoterpene Aldehyde
29	18.37	0.90%	(Z)-isocitral	Monoterpene Aldehyde
30	18.75	0.08%	Borneol	Monoterpenol
31	19.16	0.22%	Terpinen-4-ol	Monoterpenol
32	19.24	1.59%	(E)-Isocitral	Monoterpene Aldehyde
33	19.66	0.01%	Methyl salicylate	Phenolic Ester
34	19.85	0.30%	alpha-Terpineol	Monoterpenol
35	20.38	0.03%	trans-Carveol	Monoterpenol

