

## Cajeput *Melaleuca cajuputi*

Batch No. IND-59141

Indonesia

Monoterpenes	16.84%
α-pinene	3.60
limonene	3.23
γ-terpinene	2.66
β-pinene	2.00
para-cymene	1.77
terpinolene	1.10
myrcene	0.99
α-terpinene	0.47
α-thujene	0.45
α-phellandrene	0.27
sabinene	0.07
Δ <sup>3</sup> -carene	0.07
pseudolimonene	0.05
(E)-β-ocimene	0.03
(Z)-β-ocimene	0.03
para-cymenene	0.03
camphene	0.02

Monoterpenols	10.08%
α-terpineol	8.34
terpinen-4-ol	0.94
linalool	0.40
delta-terpineol	0.21
geraniol	0.07
citronellol	0.04
para-cymen-8-ol	0.04
trans-pinocarveol	0.03
fenchol	0.01

Esters	1.3%
α-terpinyl acetate	1.21
ethyl 2-methylbutyrate	0.04
delta-terpinyl acetate	0.03
geranyl acetate	0.02

Ethers	50.75%
1,8-cineole	50.24
caryophyllene oxide	0.32
1,4-cineole	0.05
humulene epoxide II	0.14

Phenols	0.07%
eugenol	0.02
benzaldehyde	0.05

Sesquiterpenes	16.5%
β-caryophyllene	5.04
α-humulene	2.5
β-selinene	2.28
α-selinene	1.75
α-amorphene	0.45
viridiflorene	0.45
9-epi-(E)-caryophyllene	0.43
γ-gurjunene	0.42
aromadendrene	0.36
β-cadinene	0.34
γ-elemene	0.34
β-elemene	0.32
δ-cadinene	0.32
γ-selinene	0.31
α-ylangene	0.25
α-copaene	0.18
selina-3,7(11)-diene	0.17
γ-cadinene	0.13
α-gurjunene	0.12
α-murolene	0.11
6,9-guaiadiene	0.08
delta-elemene	0.08
germacrene B	0.06
β-humulene	0.01

Sesquiterpenols	2.67%
spathulenol	0.02
elemol	0.03
maaliol	0.06
palustrol	0.04
τ-cadinol	0.04
viridiflorol	1.01
guaiol	0.26
ledol	0.18
1-epi-cubenol	0.15
γ-eudesmol	0.14
hinesol	0.01
β-eudesmol	0.56
α-11-selinol-4	0.16
bulnesol	0.01

Client



Source



Cajeput (*Melaleuca cajuputi*)  
IND-59141

Sample

Cajeput (*Melaleuca cajuputi*)  
Batch #:..... | IND-59141  
Type:..... | Essential Oil  
CAS Number:... | 8008-98-8  
**Nature's Gift**

Client



Website

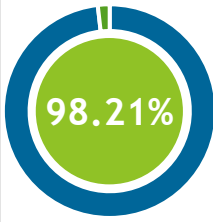
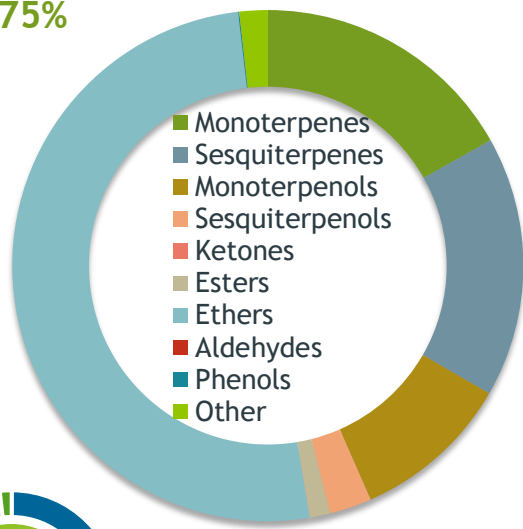


Primary

**50.24%** | **1,8-Cineole**  
**8.34%** | **alpha-Terpineol**  
**5.04%** | **beta-Caryophyllene**

Ethers

50.75%



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 Cajeput (*Melaleuca cajuputi*)

Internal Number: | EVS-4172



**Essential Validation Services**

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

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

*Alan Chastain*

Monoterpenes	16.84%	16.84%
Sesquiterpenes	16.49%	16.49%
Monoterpenols	10.0	10.08%
Sesquiterpenols		2.67%
Ketones		0.00%
Esters		1.30%
Ethers	50.75%	50.75
Aldehydes		0.00%
Phenols		0.07%
Other		1.79%

ESSENTIAL VALIDATION SERVICES | 747 SW 2<sup>ND</sup> 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

Cajeput (*Melaleuca cajuputi*)

IND-59141

Total Percentage		98.21%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.80	0.04%	Ethyl 2-methylbutyrate	Aliphatic Ester
2	8.05	0.45%	alpha-Thujene	Monoterpene
3	8.31	3.60%	alpha-Pinene	Monoterpene
4	8.92	0.02%	Camphene	Monoterpene
5	9.41	0.05%	Benzaldehyde	Simple Phenolic
6	9.87	0.07%	Sabinene	Monoterpene
7	10.04	2.00%	beta-Pinene	Monoterpene
8	10.62	0.99%	Myrcene	Monoterpene
9	11.17	0.05%	Pseudolimonene	Monoterpene
10	11.27	0.27%	alpha-Phellandrene	Monoterpene
11	11.38	0.07%	delta-3-Carene	Monoterpene
12	11.68	0.05%	1,4-Cineole	Monoterpene Ether
13	11.75	0.47%	alpha-Terpinene	Monoterpene
14	12.10	1.77%	para-Cymene	Monoterpene
15	12.30	3.23%	Limonene	Monoterpene
16	12.49	50.24%	1,8-Cineole	Monoterpene Ether
17	12.67	0.03%	(Z)-beta-Ocimene	Monoterpene
18	13.13	0.03%	(E)-beta-Ocimene	Monoterpene
19	13.61	2.66%	gamma-Terpinene	Monoterpene
20	14.83	1.10%	Terpinolene	Monoterpene
21	15.04	0.03%	para-Cymenene	Monoterpene
22	15.56	0.40%	Linalool	Monoterpenol
23	16.34	0.01%	Fenchol	Monoterpenol
24	17.31	0.03%	trans-Pinocarveol	Monoterpenol
25	18.71	0.21%	delta-Terpineol	Monoterpenol
26	19.17	0.94%	Terpinen-4-ol	Monoterpenol
27	19.51	0.04%	para-Cymen-8-ol	Monoterpenol
28	19.92	8.34%	alpha-Terpineol	Monoterpenol
29	21.42	0.04%	Citronellol	Monoterpenol
30	22.47	0.07%	Geraniol	Monoterpenol
31	25.17	0.03%	delta-Terpinyl acetate	Monoterpene Ester
32	26.13	0.08%	delta-Elemene	Sesquiterpene
33	26.64	1.21%	alpha-Terpinyl acetate	Monoterpene Ester
34	26.84	0.02%	Eugenol	Phenylpropanoid
35	27.56	0.25%	alpha-Ylangene	Sesquiterpene

Client



Source



*Cajuput (Melaleuca cajuputi)*  
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Number	RT	Area %	Compound Name	Chemical Family
36	27.835	0.18%	alpha-Copaene	Sesquiterpene
37	28.07	0.02%	Geranyl acetate	Monoterpene Ester
38	28.45	0.32%	beta-Elemene	Sesquiterpene
39	29.15	0.12%	alpha-Gurjunene	Sesquiterpene
40	29.65	5.04%	beta-Caryophyllene	Sesquiterpene
41	29.94	0.01%	beta-Humulene	0.00
42	30.12	0.34%	gamma-Elemene	Sesquiterpene
43	30.41	0.36%	Aromadendrene	Sesquiterpene
44	30.58	0.08%	6,9-Guaiadiene	Sesquiterpene
45	31.11	2.50%	alpha-Humulene	Sesquiterpene
46	31.29	0.43%	9-epi-(E)-Caryophyllene	Sesquiterpene
47	31.88	0.31%	gamma-Selinene	Sesquiterpene
48	32.01	0.42%	gamma-Gurjunene	Sesquiterpene
49	32.13	0.45%	alpha-Amorphene	Sesquiterpene
50	32.47	2.28%	beta-Selinene	Sesquiterpene
51	32.60	0.45%	Viridiflorene	Sesquiterpene
52	32.78	1.75%	alpha-Selinene	Sesquiterpene
53	32.93	0.11%	alpha-Muurolene	Sesquiterpene
54	33.10	0.34%	beta-Cadinene	Sesquiterpene
55	33.47	0.13%	gamma-Cadinene	Sesquiterpene
56	33.72	0.32%	delta-Cadinene	Sesquiterpene
57	34.37	0.17%	Selina-3,7(11)-diene	Sesquiterpene
58	34.87	0.03%	Elemol	Sesquiterpenol
59	35.20	0.06%	Germacrene B	Sesquiterpene
60	35.35	0.06%	Maaliol	Sesquiterpenol
61	35.64	0.04%	Palustrol	Sesquiterpenol
62	35.91	0.02%	Spathulenol	Sesquiterpenol
63	36.08	0.32%	Caryophyllene oxide	Sesquiterpene Ether
64	36.57	1.01%	Viridiflorol	Sesquiterpenol
65	36.73	0.26%	Guaiol	Sesquiterpenol
66	36.96	0.18%	Ledol	Sesquiterpenol
67	37.13	0.14%	Humulene epoxide II	Sesquiterpene Ether
68	38.04	0.14%	gamma-Eudesmol	Sesquiterpenol
69	38.10	0.15%	1-epi-Cubenol	Sesquiterpenol
70	38.31	0.01%	Hinesol	Sesquiterpenol
71	38.42	0.04%	T-Cadinol	Sesquiterpenol

Client  
  
 Nature's Gift

Source  


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72	38.83	0.56%	beta-Eudesmol	Sesquiterpenol
73	38.96	0.16%	11-Selinenol-4, alpha	Sesquiterpenol
74	39.26	0.01%	Bulnesol	Sesquiterpenol

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