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Balancing Body, Mind and Spirit with Pure Essential Oils

Since 1995

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Elemi

Canarium luzonicum

Philippines

Batch #PH-59024

Monoterpenes 72.95%

limonene	45.91
α phellandrene	14.15
sabinene	4.64
terpinolene	2.75
para cymene	2.55
α pinene	0.58
myrcene	0.56
α terpinene	0.44
γ terpinene	0.33
(Z) β ocimene	0.25
β pinene	0.21
(E) β ocimene	0.18
para-cymenene	0.13
α thujene	0.13
alloocimene	0.06
δ 3 carene	0.03
pseudolimonene	0.03
camphene	0.01
1,3,8 para-menthatriene	0.01

Aldehydes 0.11%

phellandral	0.01
β cyclocitral	0.03

Ethers 0.07%

(E) limonene oxide	0.07
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Monoterpenols 5.11%

α terpineol	2.99
terpinen-4-ol	0.68
myrtenol	0.33
para-cymen-8-ol	0.3
borneol	0.18
(E) sabinene hydrate	0.11
(E) carveol	0.08
(E) para-Menth-2-en-1-ol	0.07
carvacrol	0.07
(Z) para-Menth-2-en-1-ol	0.06
(Z) carveol	0.05
(E) para-Mentha-2,8-dien-1-ol	0.04
(Z) para-Mentha-2,8-dien-1-ol	0.04
trans-piperitol	0.04
cis-piperitol	0.04
linalool	0.02
nerol	0.01

Ketones 0.28%

piperitone	0.13
carvone	0.06
camphor	0.05
carvotanacetone	0.04

Phenols 0.3%

methyl eugenol	0.27
Toluene	0.02
isoelemicin	0.01

Sesquiterpenes 1.01%

β caryophyllene	0.20
α copaene	0.15
eremophilene	0.15
α humulene	0.11
germacrene d	0.1
β elemene	0.09
α muurolene	0.04
α cubebene	0.03
viridiflorene	0.03
δ elemene	0.02
γ elemene	0.02
aromadendrene	0.02
bicyclgermacrene	0.01
α gurjunene	0.01
γ muurolene	0.01
β bourbonene	0.01
(E) α bergamotene	0.01

Sesquiterpenols 18.81%

elemol	17.34
γ eudesmol	0.53
β eudesmol	0.33
valerianol	0.32
guaiol	0.16
10-epi- γ eudesmol	0.03
bulnesol	0.03
cryptomeridiol	0.03
cubebol	0.01
germacrene D-4-ol	0.01
viridiflorol	0.01
rosifoliol	0.01

Raw Material: Resin

Production Method: Steam distillation

Date of Analysis: 2/13/2020

Client



Source



Elemi (Canarium luzonicum)
PH-59024

Sample

Elemi (Canarium luzonicum)
 Batch #:..... PH-59024
 Type:..... Essential Oil
 CAS Number:... 8023-89-0
 Nature's Gift

Client



Website

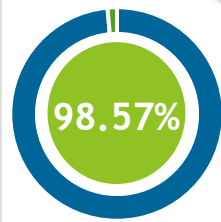
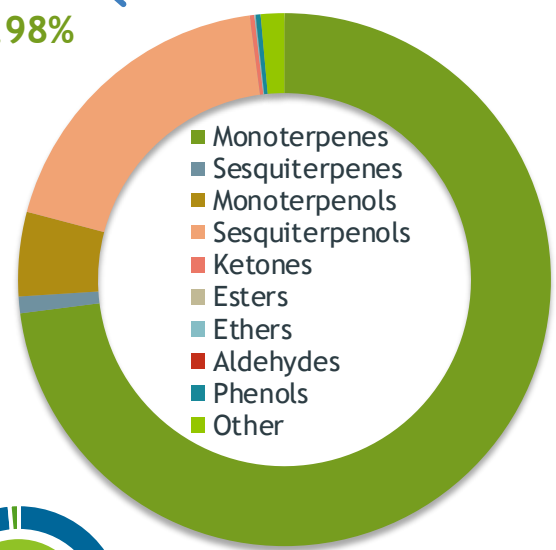


Primary

45.91% | Limonene
17.34% | Elemol
14.15% | alpha-Phellandrene

Monoterpenes

72.98%



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 Elemi (Canarium luzonicum)

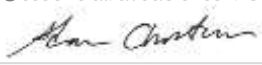
Internal Number: | EVS-3561



Essential Validation Services

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

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



Monoterpenes	72.98%	72.98%
Sesquiterpenes		1.01%
Monoterpenols		5.11%
Sesquiterpenols	18.81%	18.81%
Ketones		0.28%
Esters		0.00%
Ethers		0.07%
Aldehydes		0.01%
Phenols		0.30%
Other		1.43%

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- Essential Oil testing is performed by using qualitative GC-MS. Method: SOP.T.01 Client Method
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 - Chromatograph image may be requested
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Client



Source

*Elemi (Canarium luzonicum)*

PH-59024

Total Percentage		98.57%		
Number	RT	Area %	Compound Name	Chemical Family
1	3.83	0.02%	Toluene	Simple Phenolic
2	8.46	0.13%	alpha-Thujene	Monoterpene
3	8.73	0.58%	alpha-Pinene	Monoterpene
4	9.36	0.01%	Camphene	Monoterpene
5	10.33	4.64%	Sabinene	Monoterpene
6	10.50	0.21%	beta-Pinene	Monoterpene
7	11.08	0.56%	Myrcene	Monoterpene
8	11.65	0.03%	Pseudolimonene	Monoterpene
9	11.78	14.15%	alpha-Phellandrene	Monoterpene
10	11.87	0.03%	delta-3-Carene	Monoterpene
11	12.24	0.44%	alpha-Terpinene	Monoterpene
12	12.59	2.55%	para-Cymene	Monoterpene
13	12.89	45.91%	Limonene	Monoterpene
14	13.16	0.25%	(Z)-beta-Ocimene	Monoterpene
15	13.63	0.18%	(E)-beta-Ocimene	Monoterpene
16	14.12	0.33%	gamma-Terpinene	Monoterpene
17	14.63	0.11%	trans-Sabinene hydrate	Monoterpenol
18	15.37	2.75%	Terpinolene	Monoterpene
19	15.56	0.13%	para-Cymenene	Monoterpene
20	16.06	0.02%	Linalool	Monoterpenol
21	16.60	0.01%	1,3,8-para-Menthatriene	Monoterpene
22	17.02	0.04%	trans-para-Mentha-2,8-dien-1-ol	Monoterpenol
23	17.13	0.06%	cis-para-Menth-2-en-1-ol	Monoterpenol
24	17.40	0.06%	Alloocimene	Monoterpene
25	17.70	0.04%	cis-para-Mentha-2,8-dien-1-ol	Monoterpenol
26	17.98	0.07%	trans-para-Menth-2-en-1-ol	Monoterpenol
27	18.11	0.05%	Camphor	Monoterpene Ketone
28	18.30	0.07%	trans-Limonene oxide	Monoterpene Ether
29	19.41	0.18%	Borneol	Monoterpenol
30	19.74	0.68%	Terpinen-4-ol	Monoterpenol
31	20.05	0.30%	para-Cymen-8-ol	Monoterpenol
32	20.44	2.99%	alpha-Terpineol	Monoterpenol
33	20.66	0.04%	trans-Piperitol	Monoterpenol
34	20.77	0.33%	Myrtenol	Monoterpenol
35	21.07	0.04%	cis-Piperitol	Monoterpenol

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PH-59024

Number	RT	Area %	Compound Name	Chemical Family
36	21.529	0.08%	trans-Carveol	Monoterpenol
37	21.83	0.01%	Nerol	Monoterpenol
38	22.13	0.05%	cis-Carveol	Monoterpenol
39	22.34	0.03%	beta-Cyclocitral	Monoterpene
40	22.62	0.06%	Carvone	Monoterpene Ketone
41	22.83	0.04%	Carvotanacetone	Monoterpene Ketone
42	23.05	0.13%	Piperitone	Monoterpene Ketone
43	24.23	0.01%	Phellandral	Monoterpene Aldehyde
44	25.19	0.07%	Carvacrol	Monoterpenol
45	26.75	0.02%	delta-Elemene	Sesquiterpene
46	27.27	0.03%	alpha-Cubebene	Sesquiterpene
47	28.47	0.15%	alpha-Copaene	Sesquiterpene
48	28.79	0.01%	beta-Bourbonene	Sesquiterpene
49	29.08	0.09%	beta-Elemene	Sesquiterpene
50	29.55	0.27%	Methyl eugenol	Phenylpropanoid
51	29.79	0.01%	alpha-Gurjunene	Sesquiterpene
52	30.28	0.20%	beta-Caryophyllene	Sesquiterpene
53	30.74	0.02%	gamma-Elemene	Sesquiterpene
54	30.93	0.01%	trans-alpha-Bergamotene	Sesquiterpene
55	31.75	0.11%	alpha-Humulene	Sesquiterpene
56	31.95	0.02%	Aromadendrene	Sesquiterpene
57	32.60	0.01%	gamma-Muurolene	Sesquiterpene
58	32.82	0.10%	Germacrene D	Sesquiterpene
59	33.25	0.03%	Viridiflorene	Sesquiterpene
60	33.42	0.01%	Bicyclogermacrene	Sesquiterpene
61	33.58	0.04%	alpha-Muurolene	Sesquiterpene
62	34.21	0.01%	Cubebol	Sesquiterpenol
63	34.38	0.15%	Eremophilene	Sesquiterpene
64	35.59	17.34%	Elemol	Sesquiterpenol
65	36.59	0.01%	Germacrene D-4-ol	Sesquiterpenol
66	37.25	0.01%	Viridiflorol	Sesquiterpenol
67	37.40	0.16%	Guaiol	Sesquiterpenol
68	37.94	0.01%	Rosifoliol	Sesquiterpenol
69	38.30	0.03%	10-epi-gamma-Eudesmol	Sesquiterpenol
70	38.70	0.53%	gamma-Eudesmol	Sesquiterpenol
71	39.29	0.01%	Isoelemicin	Phenylpropanoid

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72	39.51	0.33%	beta-Eudesmol	Sesquiterpenol
73	39.53	0.32%	Valerianol	Sesquiterpenol
74	39.94	0.03%	Bulnesol	Sesquiterpenol
75	45.22	0.03%	Cryptomeridiol	Sesquiterpenol

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