

Client

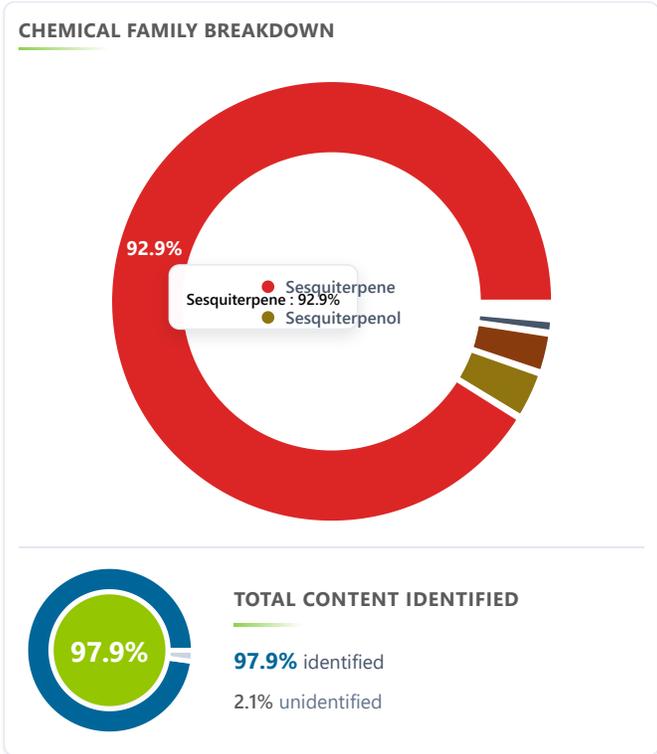
Source

Copaiba, Balsam (*Copaifera officinalis*)
EVS-6436

Sample

Copaiba, Balsam (*Copaifera officinalis*)

Batch #: BR-59415
Type: Essential Oil
Origin: Brazil
CAS #: 8001-61-4



Client

NATURE'S GIFT

Properties

RI: NT
SG: NT

Primary

33.47% | beta-Caryophyllene
7.81% | alpha-Humulene
7.01% | trans-alpha-Bergamotene
6.52% | Germacrene D

Result

✓

Pass
Meets specifications

ANALYSIS SUMMARY

Total Compounds: 64

Conclusion

PROFESSIONAL ANALYSIS SUMMARY

Analysis of this Copaiba, Balsam (*Copaifera officinalis*) Essential Oil sample was conducted against the Copaiba, Balsam standard specification. The chromatographic analysis accounted for 97.9% 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 Copaiba, Balsam (*Copaifera officinalis*).

Adam Christensen • Dec 22, 2025

Adam Christensen

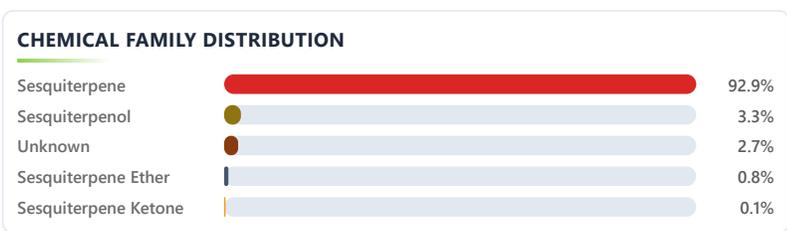
Analyst Signature

Date

Dec 8, 2024

Lab

Essential Validation Services
 EO Testing Lab
 240 Goose Hollow Road
 Berthoud, Colorado 80513
 Phone: (317) 361-5044
essentialvalidationservices.com



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

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Source

**Copaiba, Balsam** (*Copaifera officinalis*)

EVS-6436

Professional Analysis Summary

1 Sample Analysis

This Copaiba, Balsam (*Copaifera officinalis*) sample shows 64 detected compounds (64 identified, 100.0% rate).

2 Major Components

Predominant: **beta-Caryophyllene** (33.5%), **alpha-Humulene** (7.8%), **trans-alpha-Bergamotene** (7.0%), +11 others.

3 Chemical Profile

6 chemical families: Sesquiterpene, Sesquiterpenol, Sesquiterpene Ether, +3 others.

4 Quality Assessment

Analysis complete for Copaiba, Balsam (*Copaifera officinalis*). No literature standard comparison available - assessment based on analytical data only.

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**Copaiba, Balsam** (*Copaifera officinalis*)

EVS-6436

Total Percentage:

97.86%

Number	RT	Area %	Compound Name	Chemical Family
1	11.95	0.02%	Menthene	Monoterpene
2	12.51	0.08%	(Z)-beta-Ocimene	Monoterpene
3	16.68	0.03%	Alloocimene	Monoterpene
4	25.91	0.89%	delta-Elemene	Sesquiterpene
5	26.42	1.31%	alpha-Cubebene	Sesquiterpene
6	27.25	0.04%	Longicyclene	Sesquiterpene
7	27.33	0.18%	alpha-Ylangene	Sesquiterpene
8	27.67	5.93%	alpha-Copaene	Sesquiterpene
9	28.16	0.54%	beta-Cubebene	Sesquiterpene
10	28.26	2.23%	beta-Elemene	Sesquiterpene
11	28.70	0.50%	Cyperene	Sesquiterpene
12	28.97	0.06%	alpha-Cedrene	Sesquiterpene
13	29.69	33.47%	beta-Caryophyllene	Sesquiterpene
14	29.95	3.75%	gamma-Elemene	Sesquiterpene
15	30.16	7.01%	trans-alpha-Bergamotene	Sesquiterpene
16	30.24	0.23%	Aromadendrene	Sesquiterpene
17	30.42	0.63%	(Z)-beta-Farnesene	Sesquiterpene
18	30.68	0.22%	epi-beta-Santalene	Sesquiterpene
19	30.75	0.24%	beta-Copaene	Sesquiterpene
20	30.98	7.81%	alpha-Humulene	Sesquiterpene
21	31.11	0.74%	allo-Aromadendrene	Sesquiterpene
22	31.36	0.10%	gamma-Gurjunene	Sesquiterpene
23	31.63	0.16%	trans-Cadina-1(6),4-diene	Sesquiterpene
24	31.80	2.68%	gamma-Murolene	Sesquiterpene
25	32.02	6.52%	Germacrene D	Sesquiterpene
26	32.13	0.85%	Zingiberene	Sesquiterpene
27	32.28	1.12%	beta-Selinene	Sesquiterpene
28	32.39	0.17%	Viridiflorene	Sesquiterpene
29	32.56	1.29%	alpha-Selinene	Sesquiterpene
30	32.72	0.98%	alpha-Murolene	Sesquiterpene
31	32.87	0.71%	cis-alpha-Bisabolene	Sesquiterpene

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**Copaiba, Balsam** (*Copaifera officinalis*)

EVS-6436

Number	RT	Area %	Compound Name	Chemical Family
32	33.19	4.53%	beta-Bisabolene	Sesquiterpene
33	33.28	1.38%	gamma-Cadinene	Sesquiterpene
34	33.55	3.91%	delta-Cadinene	Sesquiterpene
35	33.68	0.29%	Zonarene	Sesquiterpene
36	33.74	0.61%	beta-Sesquiphellandrene	Sesquiterpene
37	33.85	0.09%	trans-gamma-Bisabolene	Sesquiterpene
38	34.03	0.23%	trans-Cadina-1,4-diene	Sesquiterpene
39	34.17	0.47%	Selina-3,7(11)-diene	Sesquiterpene
40	34.41	0.60%	trans-alpha-Bisabolene	Sesquiterpene
41	34.51	0.03%	cis-Sesquisabinene hydrate	Monoterpene Ester
42	34.67	0.07%	Elemol	Sesquiterpenol
43	34.97	0.38%	Germacrene B	Sesquiterpene
44	35.38	0.13%	Maaliol	Sesquiterpenol
45	35.62	0.54%	31.73 Caryolan-8-ol	Unknown
46	35.70	0.05%	Spathulenol	Sesquiterpenol
47	35.85	0.69%	Caryophyllene oxide	Sesquiterpene Ether
48	36.16	0.04%	Gleenol	Sesquiterpenol
49	36.34	0.12%	Viridiflorol	Sesquiterpenol
50	36.45	0.05%	32.70 Cubeban-11-ol	Unknown
51	36.73	0.14%	Ledol	Sesquiterpenol
52	36.91	0.10%	Humulene epoxide II	Sesquiterpene Ether
53	37.37	0.96%	Junenol	Sesquiterpenol
54	37.64	0.16%	1,10-di-epi-Cubenol	Sesquiterpenol
55	37.86	0.03%	1-epi-Cubenol	Sesquiterpenol
56	38.20	0.21%	T-Cadinol	Sesquiterpenol
57	38.28	0.31%	T-Muurolol	Sesquiterpenol
58	38.37	0.40%	alpha-Muurolol	Sesquiterpenol
59	38.69	0.54%	alpha-Cadinol	Sesquiterpenol
60	39.04	0.01%	trans-Calamenen-10-ol	Sesquiterpenol
61	39.13	0.03%	Pogostol	Sesquiterpenol
62	39.31	0.10%	beta-Bisabolol	Sesquiterpenol
63	39.84	0.03%	alpha-Bisabolol	Sesquiterpenol
64	40.18	0.14%	Junipercamphor	Sesquiterpene Ketone

