AROMATICS DATA

GC-MS BATCH SUMMARY

Batch COP-111

September 13, 2026

Copaiba Balsam Oleoresin

Copaifera officinalis

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
October 17, 2025	**Tapped**	**Wildcrafted**	**Brazil**

TOP 5 COMPONENTS

of 49 measured

β-caryophyllene	Sesquiterpene	**41.70%**
(E)-α-bergamotene	Sesquiterpene	**8.46%**
germacrene D	Sesquiterpene	**7.55%**
α-caryophyllene	Sesquiterpene	**6.97%**
α-copaene	Sesquiterpene	**5.70%**

Batch COP-111 comes from wildcrafted *Copaifera officinalis* trees in Brazil, where the oleoresin is tapped directly from the living trunk rather than pressed or extracted from harvested material. This tapping took place in October 2025. The result is a thick, soft balsam with the warm, woody, faintly peppery aroma that makes copaiba such a grounding presence in a blend.

Sesquiterpenes are the family associated with soothing, settling, deeply grounding qualities, which is why copaiba works so well as a base note and as a calming support in skin-care and massage formulations.

This exact batch was independently GC-MS tested. The full report and certificate of analysis are available to download, so you can see the chemistry behind what you are using.

CHEMISTRY HIGHLIGHTS

COP-111 is about as sesquiterpene-dominated as a profile gets: 90.57% of the identified material sits in that one family, spread across 49 components. β-Caryophyllene leads at 41.7%, toward the low end of the 38.56-65.7% we have seen across our other *Copaifera officinalis* batches, and its rearranged partner α-caryophyllene (humulene) tracks at 6.97%, close to the 7.25% batch mean. That lower β-caryophyllene

share leaves room for the supporting cast, and (E)-α-bergamotene shows it at 8.46%, near the top of our 2.22-8.6% range.

The cadinane and bisabolane isomer sets are worth a scroll: δ-, γ- and β-cadinene alongside β-, (Z)-α- and (E)-α-bisabolene. Oxygenated material is minimal, with sesquiterpenols at 3.29% and caryophyllene oxide only 0.24%, which reads as a fresh, minimally oxidized tapped oleoresin.

Full composition · 49 components across 7 families

Sesquiterpene	**90.57%**
β-caryophyllene	41.70%
(E)-α-bergamotene	8.46%
germacrene D	7.55%
α-caryophyllene	6.97%
α-copaene	5.70%
β-bisabolene	3.44%
δ-cadinene	2.92%
β-elemene	2.19%
γ-muurolene	1.99%
α-amorphene	1.36%
δ-elemene	0.96%
(Z)-α-bisabolene	0.87%
α-cubebene	0.84%
γ-cadinene	0.74%
β-selinene	0.64%
allo-aromadendrene	0.52%
(E)-β-farnesene	0.50%
α-gurjunene	0.43%
β-sesquiphellandrene	0.42%
(E)-α-bisabolene	0.37%
β-humulene	0.25%
zonarene	0.25%

(Z)-β-farnesene	0.24%
(Z)-cadina-1(6),4-diene	0.19%
β-curcumene	0.18%
β-cadinene	0.16%
selina-3,7(11)-diene	0.14%
germacrene B	0.14%
(Z)-α-bergamotene	0.13%
α-ylangene	0.11%
(E)-cadina-1,4-diene	0.11%
β-chamigrene	0.10%
Sesquiterpenol	**3.29%**
junenol	1.01%
α-cadinol	0.68%
α-muurolol	0.62%
juniper camphor	0.36%
epi-cubenol	0.15%
maaliol	0.14%
pogostol	0.13%
viridiflorol	0.12%
longipinanol	0.08%
Other	**1.20%**
Caryolan-8-ol	0.47%
Cadinene<α->	0.33%
manool	0.27%
β-acorenol	0.13%
Monoterpenol	**0.63%**
τ-cadinol	0.63%
Diterpenol	**0.25%**
sclareol	0.25%

Oxide	**0.24%**
caryophyllene oxide	0.24%
Monoterpene	**0.10%**
(Z)-β-ocimene	0.10%