AROMATICS DATA

GC-MS BATCH SUMMARY

Batch POP-109

November 22, 2026

Balsam Poplar Essential Oil

Populus balsamifera

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
June 17, 2020	Steam Distilled	Certified Organic	Canada

TOP 5 COMPONENTS

of 77 measured

α-bisabolol	Sesquiterpenol	**23.56%**
nerolidol	Sesquiterpenol	**8.47%**
other sesquiterpene	Other	**5.13%**
δ-cadinene	Sesquiterpene	**3.94%**
α-amorphene	Sesquiterpene	**3.92%**

Full composition · 77 components across 7 families

Sesquiterpenol	**37.20%**
α-bisabolol	23.56%
nerolidol	8.47%
γ-eudesmol	1.19%
α-eudesmol	1.18%
β-bisabolol	0.82%
β-eudesmol	0.75%
α-muurolol	0.41%
α-cadinol	0.32%
epi-cubenol	0.22%
τ-muurolol	0.16%

Every batch is GC-MS tested by an independent lab. This report is provided for full transparency by Aromatics International.

Verify this batch: data.aromatics.com/products/balsam-poplar-essential-oil#batch=POP-109

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cubenol	0.12%
Sesquiterpene	**35.77%**
δ-cadinene	3.94%
α-amorphene	3.92%
δ-amorphene	3.80%
(E)-α-bergamotene	2.81%
γ-bisabolene	2.43%
β-farnesene	1.70%
γ-cadinene	1.62%
zonarene	1.54%
epizonarene	1.48%
ar-curcumene	1.42%
α-ylangene	0.93%
γ-muurolene	0.89%
β-bisabolene	0.88%
α-muurolene	0.80%
6,9-guaiadiene	0.78%
(E)-cadina-1,4-diene	0.76%
allo-aromadendrene	0.70%
α-bisabolene	0.63%
α-copaene	0.58%
selina-4(15),7(11)-diene	0.54%
α-caryophyllene	0.52%
β-acoradiene	0.48%
α-cedrene	0.37%
α-calacorene	0.36%
selina-3,7(11)-diene	0.33%
δ-selinene	0.32%
(Z)-cadina-1(6),4-diene	0.29%
β-caryophyllene	0.25%

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β-santalene	0.18%
(E)-β-bergamotene	0.15%
β-cedrene	0.14%
(Z)-α-bergamotene	0.12%
β-curcumene	0.11%
Other	**12.39%**
other sesquiterpene	5.13%
cis-4,10-epoxyamorphane	2.09%
epi-β-acoradiene	0.82%
fokienol	0.80%
muurola-4,11-diene	0.39%
cis-guaia-3,9-dién-11-ol	0.29%
eremoligenol	0.28%
α-acorenol	0.24%
tricosane	0.21%
camphre genevrier	0.21%
α-copaen-11-ol	0.19%
γ-terpinene	0.18%
épi-β-caryophyllène	0.17%
oxyde b d'α-bisabolol épimère 1	0.17%
eudesma-5,7(11)-diene	0.16%
isovalérate de benzyle	0.16%
acora-3,7(14)-diene	0.15%
(E)-calamenene	0.14%
7-epi-sesquithujene	0.13%
benzylacetone	0.12%
(E)-cinnamate de benzyle	0.12%
safranal	0.12%
cadina-4,11-diene	0.12%

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Oxide	**4.81%**
1,8-cineole	2.49%
sesquicineole	2.32%
Monoterpenol	**1.76%**
τ-cadinol	0.91%
α-terpineol	0.56%
terpinen-4-ol	0.29%
Monoterpene	**0.94%**
α-pinene	0.36%
limonene (d)	0.29%
α-terpinene	0.15%
styrene	0.14%
Ketone	**0.13%**
acetophenone	0.13%