AROMATICS DATA

GC-MS BATCH SUMMARY

Batch HML-112

October 31, 2026

Hemlock Essential Oil

Tsuga canadensis

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
December 1, 2023	Steam Distilled	Certified Organic	Canada

TOP 5 COMPONENTS		of 28 measured
bornyl acetate	Ester	30.67%
α-pinene	Monoterpene	21.64%
camphene	Monoterpene	15.70%
tricyclene	Monoterpene	6.53%
limonene (d)	Monoterpene	3.41%

Full composition · 28 components across 7 families

Monoterpene	**56.86%**
α-pinene	21.64%
camphene	15.70%
tricyclene	6.53%
limonene (d)	3.41%
β-myrcene	2.70%
β-pinene	2.10%
β-phellandrene	1.55%
α-phellandrene	0.91%
p-cymene	0.61%
isoterpinolene	0.59%

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

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santene	0.35%
γ-terpinene	0.33%
α-terpinene	0.26%
α-thujene	0.18%
Ester	**30.67%**
bornyl acetate	30.67%
Sesquiterpene	**3.40%**
α-caryophyllene	1.51%
β-caryophyllene	1.25%
δ-cadinene	0.33%
γ-cadinene	0.17%
γ-muurolene	0.14%
Monoterpenol	**2.31%**
borneol	1.26%
α-terpineol	0.58%
terpinen-4-ol	0.47%
Ketone	**1.80%**
piperitone	1.42%
camphor	0.38%
Other	**1.14%**
pin-2-en-8-yl acetate	1.02%
dehydro-p-cymene	0.12%
Oxide	**0.20%**
1,8-cineole	0.20%

REFRACTIVE INDEX @20°C

1.4692

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