AROMATICS DATA

GC-MS BATCH SUMMARY

Batch ENS-116

October 31, 2026

Engelmann Spruce Essential Oil

Picea engelmannii

Essential Oil

DISTILLATION DATE	EXTRACTION	CULTIVATION	COUNTRY OF ORIGIN
March 31, 2025	Steam Distilled	Wildcrafted	USA

TOP 5 COMPONENTS

of 34 measured

limonene (l)	Monoterpene	**18.93%**
α-pinene	Monoterpene	**13.92%**
camphene	Monoterpene	**12.26%**
camphor	Ketone	**11.25%**
β-myrcene	Monoterpene	**8.62%**

Full composition · 34 components across 8 families

Monoterpene	**71.27%**
limonene (l)	18.93%
α-pinene	13.92%
camphene	12.26%
β-myrcene	8.62%
β-pinene	5.09%
δ-3-carene	4.32%
β-phellandrene	2.05%
terpinolene	1.90%
tricyclene	1.52%
γ-terpinene	0.59%

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/engelman-spruce-essential-oil#batch=ENS-116

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α-terpinene	0.45%
sabinene	0.43%
α-phellandrene	0.35%
santene	0.29%
p-cymene	0.28%
(Z)-β-ocimene	0.27%
Ketone	**11.75%**
camphor	11.25%
piperitone	0.38%
fenchone	0.12%
Ester	**8.85%**
bornyl acetate	7.66%
camphene hydrate	0.79%
geranyl acetate	0.24%
citronellyl acetate	0.16%
Monoterpenol	**3.48%**
borneol	1.04%
citronellol	0.85%
terpinen-4-ol	0.69%
α-terpineol	0.66%
linalool	0.24%
Oxide	**1.20%**
1,8-cineole	1.20%
Sesquiterpene	**0.73%**
δ-cadinene	0.59%
γ-cadinene	0.14%
Sesquiterpenol	**0.30%**
α-muurolol	0.15%

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α-cadinol	0.15%
Ether	**0.15%**
estragole (methyl chavicol)	0.15%

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