


ESSENTIAL OIL SINGLES

Black Spruce Essential Oil

Picea mariana

BATCH NUMBER

BSP-118

COUNTRY OF ORIGIN

Canada

EXTRACTION DATE

December
2023

Gas Chromatography Analysis (%)

MONOTERPENE

camphene	21.66%	α -pinene	15.22%
δ -3-carene	5.09%	santene	4.25%
limonene (l)	3.52%	β -myrcene	3.36%
β -pinene	2.85%	tricyclene	2.40%
terpinolene	0.93%	β -phellandrene	0.90%
α -phellandrene	0.39%	α -terpinene	0.22%
γ -terpinene	0.20%		

ESTER

bornyl acetate	26.55%	isobornyl acetate	0.72%
camphene hydrate	0.50%	geranyl acetate	0.20%
(E)-verbenyl acetate	0.18%		

MONOTERPENOL

borneol	1.29%	α -terpineol	0.42%
endo-fenchyl acetate	0.36%	terpinen-4-ol	0.23%
linalool	0.16%		

SESQUITERPENE

δ -cadinene	1.12%	γ -cadinene	0.34%
α -muurolene	0.26%	β -caryophyllene	0.20%

OXIDE

1,8-cineole	0.61%
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