

CARD Essential oil Black spruce



The plant

Black spruce (*Picea mariana* (Mill.) B.S.P.) is one of the most typical conifer species of the Canadian boreal forest. It has a skinny shape with dense head; it can reach 20 to 30 m high and can live up to 200 years old. Its needles are short and sharp; the bark of mature trees is relatively dark and scaly. The black spruce prefers wet soils and tolerates moderately the shade, but it adapts to most of the biotopes.¹

Our commitment to quality

The finest black spruce essential oil comes from its needles and is characterized by a high concentration of bornyl acetate. Therefore, we are committed to limit as much as possible the amount of wood in the still to get the purest black spruce needle essential oil. Also, we distill black spruce for least 5 hours to get the most complete essential oil and we keep it under inert atmosphere to protect it from oxidation.

Typical composition of our essential oil

- Santene	3.7 – 4.7 %	- β -Phellandrene	0.6 – 1.4 %
- Tricyclene	1.9 – 2.9 %	- Terpinolene	0.6 – 1.4 %
- α -Pinene	14.5 – 16.5 %	- Camphene hydrate	0.2 – 1.0 %
- Camphene	20.0 – 23.0 %	- Borneol	0.6 – 1.4 %
- β -Pinene	2.2 – 3.2 %	- α -Terpineol	0.1 – 0.5 %
- Myrcene	3.0 – 4.0 %	- Bornyl acetate	22.0 – 27.5 %
- Δ^3 -Carene	4.5 – 6.5 %	- δ -Cadinene	1.0 – 1.8 %
- Limonene	3.0 – 4.0 %	- α -Cadinol	0.1 – 0.3 %