

Certificate of Analysis		
Product Name:	Spruce, Black Organic Essential Oil	
Latin Binomial/INCI:	Picea mariana	
Cultivation:	100% Organic	
Product Code/Lot Number:	5211-EAZN	
Material:	Needles and Twigs	
Country of Origin:	Canada	
Date of Production:	May 10th, 2023	
Expiration Date:	May 10th, 2026	
Ingredient Deck: 100% Organic Black Spruce Essential Oil		
Specification	Expected	Result
Color:	Colorless to pale yellow	PASSED
Odor:	Fresh, penetrating, woody, pine aroma	PASSED
Appearance:	Transparent liquid	PASSED
Specific Gravity 20°C:	0.890 – 0.920	0.900
Refractive Index 20°C:	1.460 – 1.500	1.471
High Resolution Capillary Gas Chromatography using Agilent 6890, 30 meter DB-5 Capillary Column	Alpha Pinene	22.59%
	Bornyl Acetate	18.85%
	Camphene	16.81%
	Delta-3-Carene	11.99%
	Beta Pinene	9.26%
GRAS	LISTED	PASSED
No GMO Materials Used:	NONE	PASSED
No Sewage Sludge:	NONE	PASSED
No Ionizing Radiation:	NONE	PASSED
STORE IN TIGHT CONTAINERS IN A COOL PLACE (60 TO 78°F), PROTECTED FROM LIGHT.		
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