



CERTIFICATE of ANALYSIS (COA)

COMMON NAME	Spruce, Black - Organic
LATIN NAME	<i>Picea mariana</i>
COUNTRY OF ORIGIN	Canada
CULTIVATION METHOD	Wild Grown, Certified Organic (USDA, NOP).
TYPE	Essential Oil
EXTRACTION METHOD	Steam Distilled
PLANT PART	Needles
USE	Aromatherapy, Natural Perfumery.

SKU	937
LOT #	23
MANUFACTURING DATE	August 2022
BEST BY DATE	August 2025

	SPECIFICATIONS (Range)	
SPECIFIC GRAVITY @20°C	0.89 – 0.920	na
REFRACTIVE INDEX @20°C	1.46 - 1.50	1.4702
OPTICAL ROTATION @20°C	-30° to -15°	na

PHYSICAL APPEARANCE	Transparent liquid	Conforms
COLOR	Colorless to pale yellow	Conforms
ODOR	Fresh, penetrating note; warm, woody, dry.	Conforms
SOLUBILITY	Soluble in alcohol and fixed oils	
SPECIAL USE INSTRUCTIONS	Dilute before use. Refrigerate to preserve freshness.	

PRIMARY CONSTITUENTS	Bornyl acetate, Camphene, Alpha-pinene.
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COMPONENTS	Range %	%	COMPONENTS	Range %	%
BORNYL ACETATE	10-30	25.41	LIMONENE *	na	3.49
CAMPHENE	10-30	19.61	SANTENE	na	3.31
ALPHA-PINENE *	10-30	14.83	TRICYCLEN	na	2.12
DELTA3-CARENE	na	6.70	DELTA-CADINENE	na	1.31
MYRCENE ⁶⁵	na	4.04	BETA-PHELLANDRENE	na	1.20
BETA-PINENE *	na	3.80	TERPINOLENE *	na	1.06

* EU Allergen ⁶⁵= Prop 65

This Essential Oil is a 100% pure and natural product. It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge. The analysis and statements herein constitute the most complete information available to Eden Botanicals. This product is guaranteed by Eden Botanicals to be of excellent quality.

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