



Certificate of Analysis

PRODUCT INFORMATION

Date of Certificate: December 15, 2014

Common Name of Product: Spruce, Black Absolute

Synonyms: N/A

Botanical Name of Product: Picea mariana

Product/Lot#: 1328/02,03,04

CAS #: 91722-19-9

Tariff Code: N/A

Country of Origin: Canada

Part of Plant Used: needles

Extraction/Distillation method: solvent extraction of the needles of the conifer tree, Picea mariana, to produce the concrete. The concrete is then dissolved in ethanol, chilled to precipitate out the non-alcohol soluble waxes, filtered and vacuum distilled to remove remaining alcohol. This produces the concentrated absolute.

ANALYSIS SPECIFICATIONS

Yield: N/A

Appearance: deep dark green, almost black viscous liquid to solid waxy mass

Odor: dried fruit-leathery topnote which glides into an immensely rich, spicy, resinous heartnote with a sweet, fruity, balsamic undertone of fine tenacity.

Cultivation Method: wild harvest



Use/Application: In natural perfumery it is used in forest notes, amber bases, spice accords, incense perfumes, sacred essences, high class florals, new mown hay, cologne. It is an excellent fixative.

Specific Gravity/Density and 68F/20C: N/A

Refractive Index at 68F/20C: N/A

Solubility: soluble in ethanol

Optical Rotation: N/A

Flash Point: 185F/85C

Major Constituents: N/A

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