



## Certificate of Analysis

### **PRODUCT INFORMATION**

**Date of Certificate: February 16<sup>th</sup>, 2016**

**Common Name of Product: Fir Silver essential oil**

**Synonyms: N/A**

**Botanical Name of Product: Abies alba**

**Product/Lot#: 1183/02,03**

**CAS #: 8021-27-1**

**Tariff Code: N/A**

**Country of Origin: Austria**

**Part of Plant Used: needles/leaves**

**Extraction/Distillation method: distillation of needles of the conifer, Abies alba**

### **ANALYSIS SPECIFICATIONS**

**Yield: N/A**

**Appearance: colorless to pale yellow liquid**

**Odor: soft, green, resinous bouquet with a warm, sweet, nutty-balsamic undertone**

**Cultivation Method: wild harvest**

**Use/Application: In natural perfumery it is used in colognes, forest notes, fougere, diffuser bouquets, green notes**

**Specific Gravity/Density and 77F/25C: 0.867-0.878**



**Refractive Index at 68F/20C: 1.4700-1.4750**

**Solubility: soluble in ethanol and carrier oils**

**Optical Rotation: N/A**

**Flash Point: 110F/43C**

**Major Constituents: l-a-pinene, l-limonene, l-bornyl acetate**

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