



## **Certificate of Analysis**

### **PRODUCT INFORMATION**

**Date of Certificate: February 7<sup>th</sup>, 2014**

**Common Name of Product: Jonquil Absolute**

**Synonyms: Daffodil Absolute**

**Botanical Name of Product:**

**Product/Lot#: 1015/02,03**

**CAS #: 90064-25-8, 8023-75-4**

**Tariff Code: 3301.90.5000.**

**Country of Origin: wild growing flowers in the mountain district of Lozere, South France**

**Part of Plant Used: flowers of wild growing plant**

**Extraction/Distillation method: extraction of flowers of Narcissus jonquilla with hexane to produce the concrete which is further purified by washing in ethanol, chilling to precipitate out the non alcohol soluble waxes, and vacuum distilling to remove the alcohol to produce the absolute**

### **ANALYSIS SPECIFICATIONS**

**Yield: 1 kilo (2.2 lbs) is made from 2500 kilos (5,500 lbs) of flowers**

**Appearance: viscous brown liquid**

**Odor: heavy, warm honeyed, sweet floral bouquet with a green, balsamic undertone of fine tenacity. "It bears great resemblance to to the fragrance of longoza and tuberose and a remote resemblance to Hyacinth." Steffen Arctander**



**Cultivation Method: wild harvest**

**Use/Application: In natural perfumery is used in high class perfumes, sacred bouquets, and Oriental bouquets**

**Specific Gravity/Density and 68F/20C: 0.9280 to 0.9580**

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

**Solubility: Soluble at 10% in ethyl alcohol 96%**

**Optical Rotation: N/A**

**Flash Point: >212F/>100C**

**Major Constituents: cis-3-hexenol, cis-3-hexenyl acetate, palmitic, linoleic and linolenic acids**

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