

# Natural Touch Aromatherapy

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## PURITY ANALYSIS CERTIFICATE

### **JUNIPER (FRENCH, BERRY)**

BOTANICAL CLASSIFICATION *Juniperus communis* is a species of the Cupressaceae family.

GENERAL DESCRIPTION An evergreen shrub with blue-green needles, small flowers and berries. The essential oil is a white liquid with a faint yellow hue and a sweet, wood-berry like scent.

Low quality juniper berry oil is produced as a by-product of juniper brandy manufacture. Both this oil and juniper oil from the wood and needles are regarded as inferior to true berry oil and can be distinguished by their turpentine-like odours. Higher quality juniper berry oil has a more fresh, pine-needle-like aroma.

ORIGIN The juniper berries are grown in southern France. The berries are separated from the juniper branches and crushed prior to steam distillation.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. Independent analyses of pure juniper berry essential oil show that it is made up of mainly terpene hydrocarbons such as alpha and beta pinene and myrcene with terpinene-4-ol and numerous other trace constituents. Alpha pinene is the main constituent in pure juniper berry oil at around 40% in French types, rising to over 50% and sometimes as high as 70% in Hungarian and other types.

<b>COMPONENT</b>	<b>NATURAL TOUCH (%)</b>	<b>CLASSIC (%)</b>
Alpha pinene	49.8	30 - 50
Beta pinene	1.5	2 - 10
Sabinene	1.2	4 - 10
Terpinene - 4 - ol	<1	1 - 3
Myrcene	26.7	10 - 20

- GLC analysis carried out at the Scottish Agricultural College, Auchincruive.
- Official stamp: