

Natural Touch Aromatherapy

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PURITY ANALYSIS CERTIFICATE

NEROLI (BIGARADE)

BOTANICAL CLASSIFICATION *Citrus aurantium* var. *amara* is a species of the Rutaceae family. Also known as orange blossom essential oil. The oil was named after a princess of Nerola of Italy who, apparently, wore it as a perfume.

GENERAL DESCRIPTION An evergreen tree with dark green leaves and white, fragrant flowers. The essential oil is a pale yellow liquid with a quality light, floral-woody scent with terpene-like top notes.

ORIGIN The essential oil is steam distilled from freshly picked orange blossom flowers from Tunisian bitter orange trees. The same tree yields petitgrain oil (from the leaves and twigs).

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. Pure Tunisian neroli oil comprises mainly linalool, limonene and linalyl acetate. Nerol, geraniol and other esters and alcohols are also present in smaller percentages. The composition of neroli differs significantly from petitgrain (an essential oil from twigs and leaves of the same species of tree). Great care should be taken with Neroli. The oil is more often than not adulterated with limonene or petitgrain. Monitoring key percentages is critical in demonstrating the purity of the oil.

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
Linalol		15-20
Linalyl acetate		1-3
Limonene		15-20
β -pinene		10
Geraniol		< 5

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