

Natural Touch Aromatherapy

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PURITY ANALYSIS CERTIFICATE

BERGAMOT (SICILIAN)

BOTANICAL CLASSIFICATION *Citrus bergamia* is a species of the Rutaceae family.

GENERAL DESCRIPTION A small tree with oval leaves and small, round fruits which ripen from green to yellow. The essential oil is a greenish-brown, mobile liquid with an orange-like, sweet, fruity aroma with a slightly spicy-balsamic undertone. Recent research has shown this species of bergamot to be particularly effective in the treatment of skin, respiratory and urinary tract infections.

ORIGIN The trees grow on the island of Sicily off southern Italy. The oil is cold pressed from nearly ripe bergamot fruits. Sicilian bergamot is regarded as being of higher quality than Ivory Coast bergamot.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. Pure Sicilian bergamot is made up of mainly limonene and linalyl acetate with linalool being the next major component. Other minor constituents include other alcohols, sesquiterpenes, alkanes and furocoumarins. Adulterated bergamot is normally laden with limonene, linalool or linalyl acetate producing percentages in GLC analyses much higher than the levels below. Sicilian bergamot is differentiated from Ivory Coast bergamot by its lower linalool and limonene percentages.

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
Beta pinene	3.7	5 - 15
Limonene	31.2	30 - 60
Gamma terpinene	3.3	2 - 6
Linalool	20.9	4 - 29
Linalyl acetate	32.4	11 - 35

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