

Natural Touch Aromatherapy

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PURITY ANALYSIS CERTIFICATE

CLOVE (MADAGASCAR, BUD)

BOTANICAL CLASSIFICATION *Eugenia caryophyllata* (reclassified as *Syzygium aromaticum*) is a species of the Myrtaceae family. All types of clove oil are strong in character sometimes causing skin and mucous membrane irritation. Clove bud is the least likely to cause a reaction compared to the leaf and stem oils.

GENERAL DESCRIPTION An evergreen tree with a grey, smooth trunk. Growing to a height of some 12 metres it produces the buds at the start of the rainy season. These are beaten from the tree and the sweet, spicy, yellow oil extracted by steam distillation.

ORIGIN Believed to be originally a native of Indonesia the tree is now cultivated world-wide. Natural Touch sources its oil from Madagascar, one of the main producers.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's clove bud oil, as indicated by GLC, are compared to classic profiles below. Occasionally clove bud oil can be substituted for clove leaf or stem, or it can be adulterated with either oil. The high percentage of natural eugenol and caryophyllene shown in the GLC test show a pure oil. Minimum eugenol content required is 80%.. The high amount of phenols give good bactericidal properties and a strongly stimulating effect.

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
Eugenol	78.9	36 - 95
Caryophyllene	11.4	2 - 12
Eugenyl acetate	6.2	11 - 22

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