

# Natural Touch Aromatherapy

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## PURITY ANALYSIS CERTIFICATE

### CARDAMOM

BOTANICAL CLASSIFICATION *Elettaria cardamomum* is a species of the Zingiberaceae family.

GENERAL DESCRIPTION Perennial tropical/subtropical herb up to 3 m height, with rhizomes and aerial roots. Fruits contain highly aromatic seeds about 3 mm long. There are many local races and cultivars that intercross easily and a range of botanical types exists. The oil is colourless to pale yellow, free flowing, and darkens on exposure to light. Fragrance is aromatic, warm spicy, with camphor/cineole note, and with storage oil becomes sweet, woody and balsamic.

ORIGIN Origin of this species is in India.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profile below. Essential oil can be distilled from all plant parts. Major constituents of freshly harvested fruits with seeds are 1,8-cineol and alpha terpinyl acetate.

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
$\alpha$ - terpinyl acetate	36.3	35 - 50
1,8 - cineol	31.1	25 - 30
Linalol	5	4 - 6
Linalyl acetate	3	3 - 5
$\alpha$ - terpineol	< 1	1 - 3
Geraniol	<1	1 - 3
Terpinene - 4 - ol	1.3	2

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