

# Natural Touch Aromatherapy

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## PURITY ANALYSIS CERTIFICATE GINGER (CHINESE)

BOTANICAL CLASSIFICATION *Zingiber officinale* is a species of the Zingiberaceae family.

GENERAL DESCRIPTION A pungent perennial herb with thick roots and yellow flowers. The essential oil is a pale yellow liquid with a warm, woody-spicy scent.

ORIGIN Natural Touch's essential oil is steam distilled from unpeeled, dried Chinese ginger roots/rhizomes. Ginger is used in China for many complaints including rheumatism, toothache and digestive ailments.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's ginger essential oil type, as indicated by GLC, are compared to classic profiles below. The main components in pure ginger essential oil (Chinese) are zingiberene and curcumene. Other ingredients are farnesene, alpha pinene and camphene as well as 1,8-cineol (eucalyptol). There are significant differences between compositions of dried and fresh ginger, and from different types of ginger from around the world. Chinese dried ginger essential oil is regarded as being of a high quality.

COMPONENT	NATURAL TOUCH(%)	CLASSIC(%)
Zingiberene	27.2	35 - 50
Alpha pinene	2.5	2
Camphene	7.8	5
1,8-cineol	6.4	2 - 6
Bisabolene	<1	10 - 15
Curcumene	9.3	5 - 20

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