

# Natural Touch Aromatherapy

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## PURITY ANALYSIS CERTIFICATE

### LEMON (SPANISH)

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

GENERAL DESCRIPTION A small evergreen tree with oval leaves, thorns and fragrant flowers. The essential oil is a pale green-yellow liquid with a fresh, lemon-citrus scent.

ORIGIN This species originates in the Asian, Indo-Burmese region. The essential oil is cold-pressed from the outer part of the fresh peel of Spanish lemons. This process is carried out for Natural Touch by the distiller. Cold pressing is done after the fruit has been extracted for use in various flavour products so little is wasted.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. Lemon oil comprises mainly limonene and other terpene hydrocarbons, notably beta pinene and gamma terpinene. Natural Touch's Spanish lemon oil matches a wide range of other pure lemon GLC analyses exactly. The above classic range was derived from over 20 separate analyses of pure lemon peel essential oil.

With lemon oil containing so many volatiles the percentages of the various ingredients can vary depending on seasonal and processing variations. The below classic profile, however, is generally regarded as the most accurate for pure lemon peel oil.

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
Limonene	70.0	60
Alpha pinene	1.9	1.5 - 3.5
Beta pinene	11.4	6 - 15
Sabinene	1.7	1 - 2
Gamma terpinene	7.1	6 - 11
Myrcene	1.5	1 - 2

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