

Natural Touch Aromatherapy

18 Test Valley Business Centre, Nursling, Southampton,
Hampshire, SO16 9JW

Tel: **023 80860758** Fax: **023 80873451**

Email: sales@naturaltoucharomatherapy.com

PURITY ANALYSIS CERTIFICATE TEA TREE (AUSTRALIAN)

BOTANICAL CLASSIFICATION *Melaleuca alternifolia* is a species of the Myrtaceae family. A relative of cajeput (*Melaleuca cajeputii*).

GENERAL DESCRIPTION A small tree with needle like leaves and yellowpurple flowers. The essential oil is a colourless liquid with a fresh, spicycamphoraceous scent.

ORIGIN The essential oil is steam distilled from the leaves and twigs of wild grown New South Wales Australian Tea Tree trees. The crops were grown free from any pesticides, herbicides etc. Numerous scientific tests have shown tea tree to have powerful immuno-stimulant properties as well as being active against bacteria, fungi and viruses.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. Pure tea tree essential oil typically comprises terpinene-4-ol (around 40%) and gamma terpinene (between 15% and 23%). Alongside a high terpinene-4-ol content the amount of 1,8-cineol is always below 3% in a good quality, pure tea tree.

COMPONENT	NATURAL TOUCH(%)	CLASSIC(%)
γ -terpinene	23.2	15 - 23
Terpinene-4-ol	36.8	40
α -terpinene	11.3	10
1,8-cineol	5.1	1 - 3
Sabinene	<1	1 - 3
α -pinene	3.5	1 - 3

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