

# Natural Touch Aromatherapy

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## PURITY ANALYSIS CERTIFICATE SANDALWOOD (EAST INDIAN)

BOTANICAL CLASSIFICATION *Santalum album* is a species of the Santalaceae family. The best sandalwood oil comes from the Mysore region in East India. West Indian sandalwood (*Amyris balsamifera*) is a different species and produces a low quality substitute. Australian sandalwood (*S. spicatum*) produces a similar oil to Mysore sandalwood but with a bitter top note.

GENERAL DESCRIPTION A small evergreen tree with leathery leaves and pink flowers. The essential oil is a pale yellow liquid with a delightful, smooth, tenacious, almost nutty, sweet-woody scent.

ORIGIN The pure essential oil is produced from steam distillation of the roots and heartwood. Natural Touch's sandalwood comes direct from India in sealed containers and each container carries the Agmark seal of authenticity.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. Numerous tests on sandalwood show that the main ingredients are alpha and beta santalol at percentages of around 47% and 20% respectively. Other minor ingredients are sesquiterpene hydrocarbons and related alcohols. Sandalwood is frequently adulterated as it is an expensive oil and it is important to both run GLC's to check the santalol percentages as well as confirming the authenticity of the source.

COMPONENT	NATURAL TOUCH(%)	CLASSIC(%)
Alpha santalol	48.5	45 - 50
Beta santalol	18.3	20 - 25

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