

Natural Touch Aromatherapy

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PURITY ANALYSIS CERTIFICATE

NIAOULI (MADAGASCAR)

BOTANICAL CLASSIFICATION *Melaleuca viridiflora* is a species of the Myrtaceae family. Also known as *Melaleuca quinquenervia* var. *cineole*, or True Niaouli.

GENERAL DESCRIPTION A small to medium sized tree with white flowers sometimes reaching a height of 24 metres. The leaves are flat and leathery producing a strong scent when crushed. Distillation of the leaves and branchlets produces our pale yellow oil.

ORIGIN A native of New Caledonia, Indonesia and Australia. The cultivation of trees for commercial purposes now takes place mainly in Madagascar.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. The predominant component is 1,8-cineol. The remaining peaks comprise mainly of monoterpenes and alcohols. Other chemotypes have been described, namely with high γ -terpinene (40%), terpinolene (32%) and α -pinene (30%). There is also a sesquiterpene and methyl-cinnamate chemotype.

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
1,8-cineole	56.7	45 - 60
Alpha pinene	9.4	2 - 12
Alpha terpineol	8.4	2 - 12
β -caryophyllene		2 - 10

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