

# Natural Touch Aromatherapy

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## PURITY ANALYSIS CERTIFICATE

### MYRRH (AFRICAN)

BOTANICAL CLASSIFICATION *Commiphora myrrha* is a species of the Burseraceae family.

GENERAL DESCRIPTION A small tree with knotted branches, aromatic leaves and white flowers. The essential oil is an amber liquid with a warm, sweet-balsamic odour.

ORIGIN The trees grow in north east Africa. The essential oil is obtained from steam distillation of the dark hard resinous gum (oleoresin) which is exuded naturally by the tree (sometimes aided by incisions in the bark). The solid oleo resins are graded in Africa and the English distiller from which we source our Myrrh oil selects only the highest grade 'tears' for steam distillation

GAS LIQUID CHROMATOGRAM A comparison of the constituents of Natural Touch's oil type with classic profiles is given below. Pure steam distilled myrrh contains a complex mix of a sesquiterpenoid nature with a characteristic odour due to furanosesquiterpenes (curzerenone and elemene). Comparisons of GLC traces and retention times (new batch to pure sample) is the key way of determining whether the oil has been adulterated. Natural Touch's myrrh type matches a range of other pure myrrh samples.

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
Cadinene	4.1	1 - 4
Curzerene	33.9	20 - 33
Lindestrene	28.2	25 - 50
Curzerenone	9.2	1 - 8
Bourbonene	<1	5 - 15
Elemene	<1	1 - 5

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