

# Natural Touch Aromatherapy

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## PURITY ANALYSIS CERTIFICATE

### CHAMOMILE (GERMAN)

BOTANICAL CLASSIFICATION *Matricaria recutita* is a species of the Asteraceae family. A relative of Roman chamomile. German chamomile, despite its name, is nowadays predominantly grown in countries like Egypt and Slovakia. Our oil, however, is grown and distilled by a farmer/grower co-operative in eastern England. The German chamomile is a relatively new addition to their repertoire with the original seeds coming from an established crop in the former Czechoslovakia.

GENERAL DESCRIPTION An aromatic annual herb with feathery leaves and white flowers. The essential oil is an inky-blue liquid with a strong, herb-like, slightly sweet scent. The blue colour is due to the presence of chamazulene

ORIGIN The essential oil is steam distilled from the flower heads of chamomile herbs grown in The Fens and Norfolk. The flowers are harvested after maximum sunlight exposure in order to improve essential oil quality. Once harvested the flowers are taken immediately to the steam distillation plant.

GAS LIQUID CHROMATOGRAM Natural Touch's German chamomile GLC matches traces of other pure samples. Tested in Slovakia under Dr Svoboda's supervision on a column specifically set up for German Chamomile analysis our oil was proved to be an excellent sample. A low % of farnesene was found indicating that a large amount of flowers were used in the production. Good percentages of bisabolols & chamazulene were also detected. German chamomile is mainly made up of  $\alpha$ -bisabolol, various  $\alpha$ -bisabolol oxides, cis-en-in-dicycloether with farnesene and chamazulene. There are several distinct chemotypes of German Chamomile.

| COMPONENT       | NATURAL TOUCH (%) |
|-----------------|-------------------|
| alpha bisabolol | 3.4               |
| Chamazulene     | 3.7               |
| Farnesene       | 23.4              |
| Bisabolol oxide | 42.3              |

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

