

Natural Touch Aromatherapy

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PURITY ANALYSIS CERTIFICATE

CITRONELLA (INDONESIAN)

BOTANICAL CLASSIFICATION *Cymbopogon nardus* is a species of the Poaceae family. The oil is also sometimes referred to as Sri Lankan citronella

GENERAL DESCRIPTION A scented slender perennial tropical grass that grows to about 3 feet in height and flowers if left to its own devices. The essential oil is very lemony with slightly sweet overtones.

ORIGIN The grass is a native of Sri Lanka but can also be found in Myanmar, Madagascar and Guatemala. The main production area is in the southernmost tip of Sri Lanka. Before the grass is put through the distillation process it is dried to improve the efficiency of the extraction process and the aroma of the oil. The citronella 'leaves' are used for their aromatic and medicinal properties in many cultures.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type as indicated by GLC are compared to classic profiles below. *C. nardus* (Ceylon type) usually contains 55-65% total geraniol and 7-15% citronellal; *C. winterianus* (Java type) contains at least 85% geraniol and a minimum of 35% citronellal. Regional oils have wide variations. Sometimes the oil may be found in a blend to imitate Melissa True which is obviously a vastly more expensive oil. The high citronellal content is believed to be the cause of eczematous irritation from the oil. Other types of citronella can contain geraniol (35%), citral (38%), geranyl acetate (10%) and citronellal (10%)

COMPONENT	NATURAL TOUCH (%)	CLASSIC (%)
Citronellal	34.0	7 - 15
Geraniol	18.6	55 - 65
Citronellyl acetate		2 - 10
Citronellol	12.6	5 - 20
Limonene	5.4	3 - 9

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