

Natural Touch Aromatherapy

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PURITY ANALYSIS CERTIFICATE LEMONGRASS (EAST INDIAN)

BOTANICAL CLASSIFICATION *Cymbopogon flexuosus* is a species of the Poaceae family. The other main species of lemongrass is West Indian lemongrass, *Cymbopogon citratus*.

GENERAL DESCRIPTION A tall grass with a wide network of roots. The essential oil is a pale yellow liquid with a fresh, grassy-lemony scent. East Indian lemongrass has a lighter, sharper, lemony aroma than its West Indian relative.

ORIGIN The lemongrass is grown in western part of India. The essential oil is distilled from the sliced grass.

GAS LIQUID CHROMATOGRAM Key components of Natural Touch's essential oil type, as indicated by GLC, are compared to classic profiles below. East Indian lemongrass is predominantly made up of citral (circa 70%) and is distinguished from its relative, *Andropogon citratus* or West Indian lemongrass, by the absence of myrcene in percentages of over 2%. Adulteration of lemongrass is not easy as synthetic citral is difficult and expensive to produce.

COMPONENT	NATURAL TOUCH(%)	CLASSIC(%)
Alpha and beta citral	77.3	85
Geraniol	5.3	3
Limonene	1.0	4 - 7
Linalool	1.3	1 - 3

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