

QUALITY ASSESSMENT OF
CEYLON CITRONELLA OIL AND
CINNAMON BARK OIL

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Dissertation submitted in partial
Fulfilment of the requirements for
the degree of MASTER IN SCIENCE
IN ANALYTICAL CHEMISTRY of the
UNIVERSITY OF COLOMBO, SRI LANKA

July 2005

530689

ABSTRACT

The quantitative determination of kerosene in adulterated Ceylon citronella oil using a method based on relative density and refractive index has been postulated and the detection of diesel in adulterated Ceylon citronella oil has been achieved.

The relationships of total geraniol content to relative density and total geraniol content to total terpene hydrocarbon content of Ceylon citronella oil are discussed.

A simple and rapid method utilizing refractive index measurements was used to determine cinnamaldehyde in cinnamon bark oil and the relationship between cinnamaldehyde content and eugenol content in the same oil species has been found.

A typical relationship between relative density and refractive index of essential oils has been found.