The major aromatic components of the essential leaf oil of the New Zealand lemonwood tree *Pittosporum eugenioides* are octyl acetate (33%), terpinen-4-ol (13%), decanol (6%) and (Z)-hex-3-enol (5%). These products are responsible for the characteristic *Citrus*-like aroma which is detected when the leaves are crushed, a phenomenon which provided the species with its common name. The major component of the oil, octyl acetate is also an abundant component of the essential oils of *Heracleum* and *Boswellia* species.

**Key words:** *Pittosporum eugenioides*, Essential Oil, Octyl Acetate