



BERGAMOT OIL (Mediterranean)

BOTANICAL CLASSIFICATION: *Citrus Bergamia* tree belongs to *Rutaceae* family

DESCRIPTION OF BERGAMOT TREE: A small tree, with oval shaped leaves, and round fruits, which ripen from green to yellow. Bergamot Essential Oil is considered as a king of essential Oils. Its color is greenish-brownish, mobile liquid, with a mixed orange and lemon-like sweet, fruity aroma, bearing a slightly spicy-balsamic undertone. Current Research suggests that Bergamot essential Oil is suitable in the treatment of skin, respiratory and urinary tract infections.

ORIGIN: The trees grow on Peloponnese, South Greece, and on the Island of Sicily, off Southern Italy. The oil is cold pressed from ripe Bergamot fruits. Mediterranean Bergamot Essential Oil is regarded as being of highest quality.

GAS LIQUID CHROMATOGRAM: Mediterranean Bergamot is made up, of mainly limonene and linalyl acetate, with linalool being the next major component. Other minor constituents include higher alcohols, sesquiterpenes, alkanes and furocoumarins. Adulterated Bergamot Oil has much higher limonene, linalool and furocoumarins levels.

GLC ANALYSIS COMPONENT	Mediterranean Bergamot (%)	Classic Bergamot (Ivory Coast) (%)
Beta pinene	3.6	5-15
Limonene	31	30-60
Gamma terpinene	3.2	2-6
Linalool	20.8	4-29
Linalyl acetate	32.3	11-35