

Certificate of Analysis

Product: Bergamot Bergaptene Free Oil

Botanical Name: *Citrus bergamia* Risso et Poit

Country of Origin: Italy

PHYSICAL AND CHEMICAL PROPERTIES

TEST	SPECIFICATION	RESULT
Appearance	Clear colourless to brown oily liquid	Conforms
Odour	Characteristic	Conforms
Specific Gravity	0.8590 to 0.990 @ 25°C	Conforms
Refractive Index	1.4590 to 1.517 @ 25°C	Conforms
Optical Rotation	+45° to -3°	Conforms

GAS CHROMATOGRAPH ANALYSIS (TYPICAL)

CONSTITUENT	SPECIFICATION	RESULT
α -Pinene		1.47%
Sabinene		1.26%
β -Pinene		8.18%
Limonene		37.64%
γ -Terpinene		7.87%
Linalool		11.74%
Linalyl acetate		26.20%