

# CERTIFICATE OF ANALYSIS

PRODUCT NAME: BERGAMOT OIL NON PHOTOTOXIC ORGANIC  
BOTANICAL NAME: *Citrus aurantium*  
COUNTRY OF ORIGIN: ITALY

TEST (UNIT)	SPECIFICATION	RESULT
APPEARANCE	MOBILE LIQUID	MOBILE LIQUID
COLOUR	PALE YELLOW TO OLIVE	YELLOW-OLIVE
CLARITY	CLEAR, NO FOREIGN MATTER	CLEAR, NO FOREIGN MATTER
ODOUR	PLEASANT, FRESH, FRUITY-FLORAL, CITRUS	CHARACTERISTIC
SPECIFIC GRAVITY @ 20°C	0.858 to 0.884	0.866
OPTICAL ROTATION @ 20°C	+8° to +40°	+33°
REFRACTIVE INDEX @ 20°C	1.460 to 1.470	1.465
BERGAPTEN (%)	Max 0.0015	NOT DETECTED
CHROMATOGRAPHIC PROFILE		
BETA-PINENE (%)	Trace to 10.0	7.0
D-LIMONENE (%)	30.0 to 55.0	45.6
LINALOOL (%)	5.0 to 20.0	13.7
LINALYL ACETATE (%)	20.0 to 45.0.	20.3
BERGAPTEN (%)	Max. 0.0015	<0.0015