



## Certificate of Analysis

### CITRUS AURANTIUM BERGAMIA (BERGAMOT) FRUIT OIL

Product code	: BLPEO1016
Sample designation	: Bergamot Essential Oil
Botanical name	: Citrus bergamia
CAS#	: 8007-75-8 ; 89957-91-5
FEMA#	: 2153
EINECS#	: 289-612-9
Lot number	: 101623031
Geographic origin	: Italy
Type of culture	: Ethically sourced - Wild harvested
Part of the plant used	: Wood and Branches
Extraction method	: Cold pressed
Re-test date	: December 2024



ORG/SC/2202/001041



OCI-5560-220708H-NOP

#### Sensory Check

Feature	Reference	Result
Appearance:	Pale yellow to greenish yellow colored liquid	meets
Fragrance:	Bright, refreshing, citrus-green aroma with light floral undertones	meets
Color:	Pale yellow to greenish yellow	meets
Note classification:	Top note	

#### Analytical Check

Properties	Specifications	Results
Refractive index	1.464 - 1.469 @ 20°C	1.466
Specific gravity (g/mL)	0.875 - 0.889 @ 20°C	0.885
Optical Rotation (°)	+15° to +40°	Conforms
Solubility	Soluble in alcohols and fixed oils Insoluble in water	Conforms

Microbial Analyses	Specifications	Standard	Results
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149	Conforms
Yeast and Mould	< 10 CFU/g	ISO 16212	Conforms
Candida albicans	ABSENT / 1g	ISO 18416	Conforms
Escherichia coli	ABSENT / 1g	ISO 21150	Conforms
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717	Conforms
Staphylococcus aureus	ABSENT / 1g	ISO 12718	Conforms

Heavy Metal Test	Specifications	Standards	Results
Lead: Pb (mg/kg or ppm)	< 10 ppm	n/a	Conforms
Arsenic: As (mg/kg or ppm)	< 2 ppm	n/a	Conforms
Mercury: Hg (mg/kg or ppm)	< 1 ppm	n/a	Conforms

### Stability and Storage

Keep in tightly closed containers in refrigerator, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

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