



## Certificate of Analysis

### EUCALYPTUS RADIATA LEAF OIL

Product code	: BLPEP0114
Sample designation	: Eucalyptus Radiata Essential Oil
Botanical name	: Eucalyptus radiata
CAS#	: 8000-48-4 ; 92201-64-4
FEMA#	: n/a
EINECS#	: 295-995-3
Lot number	: 10702105
Geographic origin	: Australia
Type of culture	: Organic, Ethically sourced
Part of the plant used	: Leaves
Extraction method	: Steam distillation
Re-test date	: April 2024



ORG/SC/2202/001041

#### Sensory Check

Feature	Reference	Result
Appearance:	Colorless to pale yellow liquid	meets
Fragrance:	Refreshing, diffusive, penetrating, cineolic- herbaceous aroma	meets
Color:	Colorless to pale yellow	meets
Note classification:	Top Note	

#### Analytical Check

Properties	Specifications	Results
Refractive index	1.455 - 1.475 @ 20°C	1.467
Specific gravity (g/mL)	0.900 - 0.930 @ 20°C	0.918
Optical Rotation (°)	-7° to +10°	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 a cool and dry place, protected from sunlight. When stored for more than 24 months, quality should be checked before use.

**As this is electronically generated document, hence no signature required.**

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