



## Certificate of Analysis

### KUNZEA AMBIGUA BRANCH/LEAF/TWIG OIL

Product code	: BLPEO1194
Sample designation	: Kunzea Essential Oil
Botanical name	: Kunzea ambigua
CAS#	: 97553-36-1
FEMA#	: -
EINECS#	: 307-193-3
Lot number	: 11942205
Geographic origin	: Tasmania
Type of culture	: Organic
Part of the plant used	: Flowers, Leaves and Twigs
Extraction method	: Steam distillation
Manufacturing date	: May 2022
Re-test date	: April 2025



ORG/SC/2202/001041

#### Sensory Check

Feature	Reference	Result
Appearance:	Clear to pale yellow colored liquid	meets
Fragrance:	Fresh, sharp, somewhat cineolic, woody aroma with sweet-spicy notes	meets
Color:	Clear to pale yellow	meets
Note classification:	Top to Middle Note	

#### Analytical Check

Properties	Specifications	Results
Refractive index	1.465 - 1.480 @ 20°C	1.474
Specific gravity (g/mL)	0.890 - 0.920 @ 20°C	0.913
Optical Rotation (°)	+10° to +32°	Conforms
Solubility	Soluble in alcohols and fixed oils Insoluble in water	Conforms
Allergens	Limonene CAS No. 5989-27-5 Linalool CAS No. 78-70-6 Geraniol CAS No. 106-24-1 Citronellol CAS No. 106-22-9 Citral CAS No. 5392-40-5	- - - - -

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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