



## Certificate of Analysis

### MELALEUCA LEUCADENDRON CAJUPUTI (CAJEPUT) LEAF OIL

Product code	: BLPEO1026
Sample designation	: Cajeput Essential Oil
Botanical name	: Melaleuca cajuputi
CAS#	: 8008-98-8 ; 85480-37-1
FEMA#	: 2225
EINECS#	: 287-316-4
Lot number	: 10262206
Geographic origin	: Australia
Type of culture	: Organic
Part of the plant used	: Leaves and twigs
Extraction method	: Steam distillation
Manufacturing date	: June 2022
Re-test date	: May 2025



ORG/SC/2202/001041

#### Sensory Check

Feature	Reference	Result
Appearance:	Colorless to pale yellow liquid	meets
Fragrance:	Fresh, slightly sweet, herbaceous camphor-like aroma	meets
Color:	Colorless to pale yellow	meets
Note classification:	Middle Note	

#### Analytical Check

Properties	Specifications	Results
Refractive index	1.455 - 1.472 @ 20°C	1.466
Specific gravity (g/mL)	0.890 - 0.935 @ 20°C	0.917
Optical Rotation (°)	-10° to +3°	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	13.0% 3.6% 0.4%

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.

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