



## Certificate of Analysis

### LITSEA CUBEBA (MAY CHANG) FRUIT OIL

Product code	: EOB-517
Sample designation	: May Chang Essential Oil
Botanical name	: Litsea cubeba
CAS#	: 68855-99-2 ; 90063-59-5
FEMA#	: 3846
EINECS#	: 290-018-7
Lot number	: B571013
Geographic origin	: Vietnam
Type of culture	: Organic
Part of the plant used	: Ripe fruits (Berries)
Extraction method	: Steam distillation
Manufacturing date	: January 2022
Re-test date	: January 2025



ECOCERT FR-BIO-01

#### Sensory Check

Feature	Reference	Result
Appearance:	Light yellow to amber orange liquid	meets
Fragrance:	Fresh, sweet green, lemony, citrus aroma	meets
Color:	Light yellow to amber orange	meets
Note classification:	Top to Middle Note	

#### Analytical Check

Properties	Specifications	Results
Refractive index	1.478 - 1.490 @ 20°C	-
Specific gravity (g/mL)	0.878 - 0.892 @ 20°C	-
Optical Rotation (°)	+3° to +13°	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	18% 5% 3% 1% 82%

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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