



## Certificate of Analysis

### HELICHRYSUM ITALICUM FLOWER OIL

Product code	: EOB-490-10   EOB-490-5   EOB-490-2
Sample designation	: Helichrysum Essential Oil
Botanical name	: Helichrysum italicum G. Don
CAS#	: 8023-95-8
FEMA#	: 2592
EINECS#	: 289-918-2
Lot number	: B490105
Geographic origin	: Corsica (France)
Type of culture	: Organic
Part of the plant used	: Flowering tops
Extraction method	: Steam distillation
Manufacturing date	: July 2022
Re-test date	: August 2025



ECOCERT FR-BIO-1

### Sensory Check

Feature	Reference	Result
Appearance:	Clear to yellow colored liquid	meets
Fragrance:	Rich, warm, spicy, hay-like, honey-like, with a floral background	meets
Color:	Clear to yellow colored	meets
Note classification:	Top Note	

### Analytical Check

Properties	Specifications	Results
Refractive index	1.460 - 1.475 @ 20°C	n/a
Specific gravity (g/mL)	0.880 - 0.920 @ 20°C	n/a
Optical Rotation (°)	-20° to +10°	Conforms
Solubility	Soluble in alcohols and fixed oils Insoluble in water	Conforms
Allergens	Limonene CAS No. 103-41-3 Linalool CAS No. 78-70-6 Benzyl cinnamate CAS No. 106-24-1	(< = 7,0%) (< = 3,0%) (< = 0,20%)

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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