

CERTIFICATE OF ANALYSIS (COA)

Product Name	HELICHRYSUM (IMMORTELLE) ESSENTIAL OIL
Botanical Name	Helichrysum italicum (synonym Helichrysum angustifolium)
Product Code	PEO1085
CAS #	8023-95-8 ; 90045-56-0
FEMA #	2592
EINECS #	289-918-2
INCI Name	Helichrysum Italicum (Immortelle) Flower Oil

Batch #	10852402
Manufacturing Date	FEBRUARY 2024
Best Before Date	JANUARY 2026

Part Used	Flowers
Extraction Method	Steam Distilled Essential Oil
Quality	100% Pure and Natural
Note Classification	Middle to Top Note

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Appearance	Pale yellow to orange colored liquid	CONFORMS
Odour	Rich, warm, herbaceous, hay-like, honeyed, earthy aroma	CONFORMS
Refractive Index	1.465 - 1.485 @ 20°C	1.470
Specific Gravity (g/mL)	0.870 - 0.920 @ 20°C	0.887
Optical Rotation (°)	-7° to +7°	CONFORMS
Solubility	Soluble in alcohols and fixed oils; Insoluble in water	CONFORMS

Comments	Odour quality is excellent
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<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
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 22718	CONFORMS

<u>HEAVY METAL TESTS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>	<u>RESULTS</u>
Lead: Pb (mg/kg or ppm)	< 10 ppm	na	CONFORMS
Arsenic: As (mg/kg or ppm)	< 2 ppm	na	CONFORMS
Mercury: Hg (mg/kg or ppm)	< 1 ppm	na	CONFORMS

STABILITY AND STORAGE:

Keep in tightly closed container 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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