

TECHNICAL DATA SHEET

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

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

<u>MICROBIAL ANALYSIS</u>	<u>SPECIFICATIONS</u>	<u>STANDARDS</u>
Aerobic Mesophilic Bacterial Count	< 100 CFU/g	ISO 21149
Yeast and Mould	< 10 CFU/g	ISO 16212
Candida albicans	ABSENT / 1g	ISO 18416
Escherichia coli	ABSENT / 1g	ISO 21150
Pseudomonas aeruginosa	ABSENT / 1g	ISO 22717
Staphylococcus aureus	ABSENT / 1g	ISO 22718

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

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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