



Certificate of Analysis

1) Product Identification

Product Name: Immortelle Essential Oil
 Botanical Name: Helichrysum italicum
 Country of Origin: Bosnia
 Cultivation Method: Organic
 Extraction Method: Steam Distilled
 Plant Part: Flowers
 Lot #: 4
 Best by Date: August 2022

2) Physical and Chemical Properties

Appearance:	Colorless to pale yellow liquid	Conforms
Odor:	Warm, sweet, earthy, honey tea-like, herbaceous	Conforms
Specific Gravity:	0.890 – 0.910 @ 25°C	Conforms
Refractive Index:	1.470 – 1.490 @ 20°C	Conforms
Optical Rotation:	- 5° – +5° @ 20°C	Conforms
Solubility:	Soluble in alcohol and oils. Insoluble in water.	Conforms

3) Gas Chromatography Analysis (Typical)

Components:

alpha-Pinene	22.01%	Limonene	2.83%
gamma-Curcumene	12.60%	Neryl acetate	5.51%
Italidione II Isomer I	5.26%	alpha-Copaene	1.78%
Italidione II Isomer II	1.66%	beta-Caryophyllene	4.61%
Italicene	3.35%	beta-Selinene	2.98%
Italidione I	1.75%	alpha-Selinene	3.23%
2-Methyl-2-Heptene	0.10%	4-Methyl-3-Hexanone	0.13%
Tiglic Acid	0.69%	Camphene	0.18%
alpha-Fenchene	0.35%	beta-Pinene	0.69%
1,8-Cineole	0.34%	isobutyl Angelate	0.25%
gamma-Terpinene	0.43%	Terpinolene	0.24%
Linalool	0.70%	2-Methylbutyl-2-Methylbutyrate	0.10%
Cadina-4,11-diene	0.16%	alpha-Humulene	0.34%
Neryl propionate	0.13%	alpha-Acoradiene	1.27%
(E)-beta-Farnesene	0.42%	beta-Acoradiene	0.54%

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+852 9867 4989 | info@honggardo.com

Room15, 25/F, Block F, Golden Bear Industrial Centre, 66-82 Chai Wan Kok Street, Tsuen Wan, Hong Kong

3) Gas Chromatography Analysis (Typical) – Cont.

Components:

Selina-4,11-diene	1.66%	hexyl Angelate	0.30%
trans-Cadina-1(6),4-diene	0.31%	Cyclosativene II	0.39%
ar-Curcumene	2.36%	Italicene isomer	0.88%
Valencene	0.77%	Italidione III Isomer I	0.59%
2-Methybutyl Angelate	0.74%	Italidione III Isomer II	0.89%
Terpinen-4-ol	0.15%	Italidione III Isomer III	0.37%
4,6-Dimethyloctane-3,5-dione epimer I	0.18%	4,6-Dimethyloctane-3,5-dione epimer II	0.19%
alpha-Terpineol	0.28%	hexyl Hexanoate	0.14%
Nerol	0.26%	alpha-Funebrene	0.17%
cis-alpha-Bergamotene	0.92%	beta-Curcumene	0.53%
trans-alpha-Bergamotene	0.90%	Sesquicineole	0.46%
6,9-Guaiadene	0.19%	delta-Cadinene	0.64%
Copaborneol	0.43%	Italicene ether	0.12%
gamma-Eudesmol	0.22%	trans-Cadina-1,4-diene	0.11%
Eudesma-5-en-11-ol	0.44%	(E)-gamma-Bisabolene	0.12%
Eudesma-2,4(15),11-triene	0.28%	alpha-Cadinene	0.08%
Italidione II analog	0.51%	(E)-alpha-Bisabolene	0.16%
delta-Amorphene	0.52%	(E)-Nerolidol	0.17%
gamma-Cadinene	0.54%	Guaiol	0.20%
beta-Bisabolene	0.23%	beta-Eudesmol	0.14%
7-epi-alpha-Selinene	0.25%	Selin-11-en-4a-ol	0.23%
beta-Bisabolol	0.20%	Myrcene	0.06%



4) Storage Conditions

Store at temperature <math><30^{\circ}\text{C}</math> in closed containers and protected from direct sunlight.

5) Remarks

This Essential Oil is a 100% pure and natural product.
It does not contain any artificial ingredients or adulteration of any kind to the best of our knowledge.

6) Disclaimer

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