

Datapharm Bio

From soil to oil

Product Specification

Product **Helichrysum Essential Oil** (*Helichrysum italicum*)

Product name:	HELICHRYSUM ITALICUM ESSENTIAL OIL
INCI:	Helichrysum Italicum (Immortelle) Flower Oil
CAS number:	8023-95-8
EC number:	289-918-2
FEMA number:	2592
HS Code:	3301 29 41
Food grade:	FDA Regulation: FDA PART 182 -- SUBSTANCES GENERALLY RECOGNIZED AS SAFE Sec. 182.20 Essential oils, oleoresins (solvent-free), and natural extractives (including distillates) IOFI: listed in Part 2 of the IOFI GRL as natural complex substance that have undergone a safety evaluation and have been reviewed and determined to be safe for flavor use in food
CFR:	21CFR182.20
Cosmetics grade:	Compliant with Cosmetics regulations;
Classification:	Natural substance
Authenticity:	100% pure and natural product
Part of plant used:	Fresh flowering tops

Method of manufacture:

Steam distillation

Country of origin:

Bulgaria

Appearance:

Transparent liquid

Colour:

Pale yellow to orange

Aroma:

Rich and dense Helichrisum italicum aroma

PHYSICO-CHEMICAL INDICES:

Relative density, g/cm³:

From 0.878 to 0.920

Refractive index (25 °C):

From 1.4720 to 1.4900

CONTENT OF MACROCOMPOUNDS, % (by Gas – Chromatography):

Main Ingredients	Range
A-Pinene	From 14 to 38
Limonene	From 1.1 to 3.9
Linalool	From 0.8 to 2.8
Nerol	nn to 0.4
Nerylacetat	From 5.4 to 18
Nerylbutyrat	nn
Nerylpropionat	nn to 0.8
Genariltiglat	nn
1,8-Cineol	From 0.2 to 0.6
Helifolen	From 9.6 to 19
Italicen	nn to 0.7

10-epi-Italicen (Iso-)	nn
ar-Curcumen	From 2.1 to 4.1
B-Caryophyllen	From 5 to 6.9
A-Guaiol	sp
Rosifoliol	sp
A-Eudesmol	sp
B-Eudesmol	sp
tr-Anethol	nn
Isoamyl angelate	From 0.4 to 1.7
Italidione I, II, III, Σ	From 6.6 to 7.8