

Evening primrose oil



Used plant: **Oenothera biennis**

Used plant parts: **seeds**

Standard Extract Specification

Content of GLA:	min. 10% (or according to customer's requirement)
Solvent:	Hexane
Refinement:	neutralised, bleached, deodorised using activated carbon
Extract description:	pale yellow liquid
Peroxide Value (meq/kg oil):	max. 5
Acid Value (mg KOH/g) :	max. 0.6
Moisture (%):	max. 0.1
Saponification value:	175 - 196
Unsaponifiable matter (%) :	max. 2

Fatty Acid Composition (%)		Typical	Min.	Max.
C16:0 Palmitic		6.3	5.5	7.0
C18:0 Stearic		1.8	1.5	2.5
C18:1 Oleic		8.5	6.0	10.0
C18:2 Linoleic		70.0	70.0	77.0
C18:3 Gamma Linolenic		10.5	10.0	12.5
Total Trans		0.2		1.0

Microbiological control:	Yeast:	< 100/g
	Mold:	< 100/g
	Coliform count:	< 10/g
	Salmonella:	absent/25 g

Heavy Metals:	Lead:	< 0.1ppm
	Mercury:	< 0.1ppm
	Cadmium:	< 0.01ppm
	Arsenic:	< 0.1 ppm

Pesticide residues: < 0.03 ppm

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Phytochemical Properties

Fatty acids, mainly linoleic and γ -linolenic acid

Pharmacological and Clinical Data

Antiinflammatory, antioxidant, analgesic, antiarthritic, antihypercholesterolemic, hypotensive, immunstimulant activity

Uses

Treatment of atopic eczema and premenstrual syndrome, skin care and cosmetic

Contradictions

Hypersensitivity and epilepsy

Side Effects

Digestion problems, headache and allergic reactions

Interactions with other drugs

None known