

TECHNICAL DATA SHEET

Evening Primrose Oil

GLA 9%

Chemical Properties

Latin Name: *Oenothera biennis* L.

CAS Number: 90028-66-3

Description

Evening primrose oil is a wild flower that grows around the world. Its seed oil is rich in essential polyunsaturated fatty acids: linoleic and gamma-linolenic acid, both series of omega 6 which are important precursors of various cellular mediators essential for the proper functioning and stability of the cells membranes in our body.

Solubility

Insoluble in water.

Specification

Item	Specification	Test Method
Appearance	Yellow clear liquid	Visual
Odor & Taste	Characteristic	Organoleptic
Moisture & Volatile	Max 0.05%	AOCS Ca 2d-25
Insoluble impurities	Max 0.05%	In-house
Acid value	Max 0.6mgKOH/g	AOCS Cd 3d-63
Peroxide value	Max 3.0mmol/kg	AOCS Cd 8b-90
Freezing test	Clarification, transparency	In-house
γ- Linolenic Acid(C18:3)	Min 9.0%	AOCS Ce 1a-13
α- Linolenic Acid(C18:3)	Max 0.8%	AOCS Ce 1a-13
Linoleic Acid(C18:2)	31.0-45.0%	AOCS Ce 1a-13
Oleic Acid(C18:1)	14.0-23.0%	AOCS Ce 1a-13
Stearic Acid(C18:0)	3.0-6.0%	AOCS Ce 1a-13
Palmitic Acid(C16:0)	9.0-13.0%	AOCS Ce 1a-13
Arachic Acid(C20:0)	Max 0.5%	AOCS Ce 1a-13
Eicosenoic Acid(C20:1)	2.8-5.5%	AOCS Ce 1a-13
Saturated Fatty Acid(<C16)	Max 0.5%	AOCS Ce 1a-13
Mercury(Hg)	Max 0.005ppm	AOAC 971.21
Lead(Pb)	Max 0.05ppm	AOCS Ca 18c-91
Arsenic(As)	Max 0.1ppm	AOAC 986.15
Cadmium(Cd)	Max 0.1ppm	AOAC 986.15
Benzopyrene	Max 2ppb	GC-MS

Total aerobic count	Max 1000cfu/g	GB 4789.2
Yeast & Moulds	Max 50cfu/g	GB 4789.15
Pathogenic bacteria	Negative	In-house

Regulatory Information

Yes

No

Contains GMO based ingredients

√

BSE/TSE-free

√

Non-irradiation

√

Suitable for vegetarian

√

Suitable for vegan

√

Country of Origin

China

Ingredients

Evening Primrose Oil 100%, γ - Linolenic Acid min 9%.

Labeling

In the United States and the European Union: Evening Primrose Oil

Functions

- 1). Improve anaphylaxis;
- 2). Improve climacteric syndrome;
- 3). Lower blood pressure and reduce risks of blood clotting;
- 4). Remove acne and freckle.

Applications

Evening primrose oil can be widely used as dietary supplements for eczema (a condition involving red, swollen, itchy skin, sometimes caused by allergies), rheumatoid arthritis, premenstrual syndrome (PMS), breast pain, menopause symptoms, and other conditions.

Safety

This product is safe for the intended use. Avoid ingestion, inhalation of dust or direct contact by applying suitable protective measures and personal hygiene. See Material Safety Data Sheet for full safety information.

Handling recommendations

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk,

evaporate the residue under a fume hood. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, reducing agents, alkalis.

Packaging, Storage & Shelf Life

Package	25kg/drum; or according to customers' requirements.
Storage	Store in a well-closed container away from moisture and direct sunlight.
Shelf Life	2 years if sealed and stored properly.