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Product Specifications

EVENING PRIMROSE OIL, REFINED, MIN. 9% GLA

CAS N/A

**Origin and
Production:**

Refined Evening Primrose Oil is obtained by pressing/extracting and subsequent refining (de-acidification, bleaching, deodorization) of the Evening Primrose seeds (*Oenothera biennis L.*); which is native to the North American North West, but also grows in Mexico, the Middle East, Eastern Asia and Europe. Since the 18th century Evening Primrose has been used for food and healing purposes. The oil is of light yellow color and has a faint odor and taste.

<i>Test</i>	<i>Specification</i>	
	<u>Min</u>	<u>Max</u>
Sp Gr (20 °C)	0.920	0.930
RI, η_D^{20}	1.475	1.480
Acid value		0.5
Peroxide value		10.0
Iodine value	145	162
Saponification value	184	194
Unsaponifiable Matter		2.5%
<u>Fatty Acid Composition</u>		
Palmitic Acid, C (16:0)	4.0	8.0%
Stearic Acid, C (18:0)	0.5	3.0%
Oleic Acid, C (18:1)	5.0	12.0%
Linoleic Acid, C (18:2)	66.0	76.0%
α -Linolenic Acid, C (18:3)		1.0%
γ -Linolenic Acid, C (18:3)	8.0	12.0%
Arachidic Acid, C (20:0)		1.5%
Behenic Acid, C (22:0)		2.0%
Erucic Acid, C (22:1)		0.1%

- Cont'd -

Storage: Protect from light. Maintain at or below room temperature, in tightly sealed containers (nitrogen blanketed). Once opened product should be used immediately.

Usage: The γ -Linolenic Acid content makes Evening Primrose oil an outstanding oil for pharmaceuticals and cosmetics. In the human physiology GLA contributes to the metabolism of prostaglandins. Evening Primrose is also valuable as an addition to the daily diet. In dermatology GLA prevents certain deficiencies which may lead to the creation of eczema, (e.g. neurodermitis).