



1203 HALL AVENUE ▪ RIVERSIDE ▪ CALIFORNIA ▪ 92509
T: 1(800) 988-OILS (951) 823-8490 ▪ F: (951) 823-8491

EVENING PRIMROSE OIL, REFINED **MATERIAL SPECIFICATIONS**

PRODUCT DESCRIPTION: Evening Primrose Oil refined is won by pressing/extracting and subsequent refining (deacidification, bleaching, deodorization) of the evening primrose seeds (*Oenothera biennis* L.), which is native to the North American North West, but today also spread to Mexico, the Middle East, Eastern Asia and Europe. Ever since the 18th century the evening primrose has been used for food and healing purposes. The oil is light yellow colour and almost neutral odour and taste.

<u>PROPERTIES</u>	<u>TYPICAL ANALYSIS</u>
Density (20° C)	0.920 - 0,930
Refractive index (20° C)	1,475 - 1,480
Acid value	max. 0,6
Peroxide value	max. 10
Iodine value	145 - 162
Saponification value	184 - 194
Unsaponifiable matter	max. 2,5%

FATTY ACID COMPOSITION

Palmitic acid	C 16:0	4,0 - 8,0%
Stearic acid	C 18:0	max 3,0%
Oleic acid	C 18:1	5,0 - 12,0%
Linoleic acid	C 18:2	66,0 - 76,0%
Linolenic acid α	C 18:3	max 1,0%
Linolenic acid γ	C 18:3	8,0 - 12,0% (GLA)
Arachidic acid	C 20:0	max 1,5%
Behenic acid	C 22:0	max 2,0%
Erucic acid	C 22:1	only traces
Others		max 2,0%

SHELF LIFE: 9 Months

STORAGE: Light protected, not above room temperature, in tightly sealed containers (nitrogen blanketed).

USAGE: The γ -linolenic acid content makes evening primrose oil an outstanding oil for pharmaceuticals and cosmetics. In the human physiology GLA is contributing to the metabolism of prostaglandines, correspondingly valuable is an addition to the daily diet. In dermatology GLA prevents certain deficiencies which may lead to creation of eczema, e.g. neurodermitis.

Version 03/00

This specification was developed with utmost care based on up-to-date information available, but should also be scrutinized by the recipient. It does not release him from checking the quality of goods delivered with proper diligence.

PRODUCT: EVENING PRIMROSE OIL, REFINED