

TECHNICAL DATA SHEET

Product Name	EVENING PRIMROSE OIL
Botanical Name	Oenothera biennis
Product Code	PCO4033
CAS #	90028-66- 3
EINECS #	289-859-2
INCI Name	Oenothera biennis (Evening Primrose) Oil

Part Used	Seeds
Extraction Method	Cold Pressed
Quality	100% Pure and Natural

<u>PROPERTIES</u>	<u>SPECIFICATIONS</u>
Appearance	Pale yellow to golden yellow colored liquid
Odour	Mild, fatty, seed-like odour
Refractive Index	1.467 - 1.483 @ 20°C
Specific Gravity (g/mL)	0.910 - 0.935 @ 20°C
Saponification Value (mgKOH/g)	180 - 195
Peroxide Value (meq O₂/kg)	Less than 3.0
Iodine Value (g I₂/100g)	135 - 165
Free Fatty Acids (% oleic)	Less than 0.5
Acid Value (mgKOH/g)	Less than 1.0
Solubility	Soluble in alcohols and fixed oils; Insoluble in water

FATTY ACID COMPOSITION:

<u>FATTY ACID</u>	<u>C-CHAIN</u>	<u>SPECIFICATIONS (%)</u>
Palmitic Acid	C16:0	5.00 – 7.00
Stearic Acid	C18:0	1.00 – 3.00
Oleic Acid	C18:1 (n-9)	5.00 – 10.00
Linoleic Acid	C18:2 (n-6)	68.00 – 76.00
Gamma-Linolenic Acid	C18:3 (n-3)	Minimum 9.0

As it is electronically generated document, hence no signature required.

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