

Certificate of Analysis

Product: Evening Primrose Oil
Botanical Name: *Oenothera biennis*
Origin: China
Part of plant: Seed
Extraction method: Cold pressed

Physical data	<u>Specification</u>¹	<u>Result</u>
Appearance:	Clear free flowing oily liquid	Complies
Colour:	Bright yellow to greenish Yellow	Complies
Odour:	Characteristic, mild	Complies
Specific Gravity at 20°C:	0.9250 to 0.9450	0.9272
Refractive Index at 20°C:	1.4650 to 1.4850	1.4779
Acid Value (mg KOH/g):	Max 3	0.42
Peroxide Value (meq/kg):	Max 10	1.58
Saponification Value (mg/g):	180 to 200	180 to 200
Unsaponifiable Matter (%):	Max 3.5	2.14
Moisture & Volatile (%):	Max 0.1	0.02

Fatty Acid Profile

Component	Range (%)	Result (%)
C16:0 Palmitic Acid	5 to 7	6.65
C18:0 Stearic Acid	0.5 to 3	2.23
C18:1 Oleic Acid	5 to 9	7.01
C18:2 Linoleic Acid	65 to 80	73.85
C18:3 Gamma Linolenic Acid	8 to 12	9.16
<C16 Others	Max 2	<0.3