

DESCRIPTION	Oil obtained by cold mechanical pressing from evening primrose seeds (<i>Oenothera biennis</i>), filtration and refining to eliminate smell and odour. Oil of clear pale yellow to greenish colour of typical taste and smell. Natural organic product, free of flavorings, artificial colors, stabilizers or flavors.		
INGREDIENTS	Evening Primrose seed (<i>Oenothera biennis</i>)		
INCI	Evening Primrose Oil		
CAS#	90028-66-3		
EC#	289-859-2		
REGULATION			
The product corresponds to the requirements of Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products. The Q'omer® Ingredients are in line with the legal framework of many countries but without prejudice to additional legal provisions that might exist in some other countries.			
PROPERTIES AND APPLICATIONS			
COSMETICS	Skin Conditioning Emollient		
PHYSICOCHEMICAL		MICROBIOLOGY	
C18:3 Gamma Linolenic	≥ 10.0 %	Total plate*	< 1000 ufc/g
Moisture	≤ 0.1 %	Moulds and yeasts*	< 100 ufc/ml
Acid Value	≤ 1.0 mg KOH /g	E. Coli*	ND/ml
Peroxide Value	≤ 3.0 meq / Kg	Salmonela*	ND/25g
Saponification Value**	180.0 – 195.0 mg KOH /g	Staphylococcus aureus*	ND/ml
Unsaponifiable Matter**	≤ 2.0 %		
Refractive Index**	1.476 – 1.482		
Specific gravity (20°C)**	0.921 – 0.931		
Anisidine value	≤ 15.0		
Totox value	≤ 20.0		
Colour	≤ 7.0 Gardner		
FATTY ACIDS			
Saturated fatty acids of chain length less than C16		≤ 0.3 %	
C16:0 Palmitic Acid		5.0 – 7.0 %	
C18:0 Stearic Acid		1.0 – 3.0 %	
C18:1 Oleic Acid		5.0 – 10.0 %	
C18:2 Linoleic Acid		≤ 68.0 – 76.0 %	
Others		1.0 – 3.0 %	
HEAVY METALS			
Lead			≤ 0.1 mg/kg
Cadmium			≤ 0.05 mg/kg
Mercury			≤ 0.05 mg/kg
Arsenic			≤ 0.1 mg/kg

CONTAMINANTS	
Benzo (a) Pyrene	< 1.0 %
Sum of B(a)P, B(a) A, B8b) F, chrysene	< 10.0%
Sum of dioxins and furans (WHO-PCDD/F-TEQ/g)	< 0.75 pg/g
Sum of dioxins, furans, dioxin-like PCBs (WHO-PCDD/F-PCB-TEQ/g)	< 1.25 pg/g
PCB's (Sum28,52,101,138,153,180) (Total 6 DNI-PCB)	< 40 ng/g
HANDLING	
Packaging	IBC's net weight 900 kg 25 & 190 kg Metal drums 5, 10 & 25 kg HDPE containers Consumer packaging (10 ml - 1000 ml) available. Net content and packing method will be specified in the sales contract.
Storage	Store in a cool, dry place between 5°C and 25°C, in original sealed packaging away from sources of light, heat or air. After use, seal hermetically to avoid oxidation.
Shelf life	The oil has a best use date of 18 months in the original packing. If packed in HDPE containers best use within 6 months from packing date. The oil is packed under nitrogen, once opened use content quickly. When taking material fill the drum again with nitrogen and close the drum airtight to avoid oxidation.
ADDITIONAL	
Free of allergens: In accordance with Regulation (EU) No1169/2011 on food information provided to the consumer. Substances or products that cause allergies or intolerances (Annex II). Product of purely plant origin and does not get in contact with any animal material during manufacturing, storage and transportation. GMO-free product and, therefore, is not subject to the requirements of Regulation (EC) 1829/2003, or Regulation (EC) 1830/2003. No irradiated materials are used, nor has the product itself been irradiated.	

* These parameters are tested annually on a random batch
 ** These parameters are tested 3 times a year on a random batch