

DESCRIPTION	Refined, bleached and deodorized oil, obtained from microalgae. Pale yellow oil, typical in taste and smell; Free of artificial flavorings, flavors or colorings. Source of plant origin rich in Omega 3 (Docosahexaenoic Acid – DHA). Standardized with refined high oleic sunflower oil (around 5%, may vary based on the fatty acid profile of the algae oil).		
INGREDIENTS	Microalgae (<i>Schizochytrium sp.</i>)		
TARIC	15159099		
REGULATION			
The product corresponds to the requirements of Regulation (EC) N° 178/2002 of the European Parliament and of the Council laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety. 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			
NUTRACEUTICAL	Antioxidant		
FOOD	Food fortification Food supplements enrichment		
PHYSICOCHEMICAL		MICROBIOLOGY	
Moisture	≤ 0.1 %	Total count	≤ 1000 cfu/g
Acid value	≤ 0.5 mg KOH /g	Yeast & moulds	≤ 100 cfu/g
Peroxide value	≤ 5.0 meq / Kg	E. Coli	ND cfu/g
Colour	≤ 12.0 Gardner	Salmonella	ND cfu/25g
Saponification value	175 - 200 mg KOH /g	Staphylococcus Aureus	ND cfu/g
Unsaponifiable material	≤ 4.5 %		
Refractive Index (20°C)	1.470 – 1.490		
Specific gravity (20°C)	0.900 – 0.940 g/ml		
Anisidine value	≤ 12.0		
Totox value	≤ 22.0		
FATTY ACIDS			
Docosahexaenoic Acid – DHA			≥ 40%
Docosahexaenoic Acid – DHA			≥ 380,0 mg/g TG
ANTIOXIDANTS			
Tocopherol Concentrate Mixed E307b			450.0 – 550.0 mg/kg
L-Ascorbyl Palmitate E304i			180.0 – 200.0 mg/kg
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 µg/kg
Sum of B(a)P, B(a) A, B(b) F, chrysene			≤ 3.0 µg/kg
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)			≤ 20 ng/g
Residual solvent			≤ 1.0 mg/Kg

HANDLING	
Packaging	IBC 25 & 190 kg Metal drums 5, 10 & 25 kg HDPE containers. Net content and packing method will be specified in the sales contract. Packaging material comply with Regulation (CE) N° 1935/2004 on materials and objects destined to be in contact with foods. Commission Regulation (EU) 2020/1245 & 2015/174 amending and correcting Regulation (EU) N° 10/2011 on plastic materials and articles intended to come into contact with food. Statement conforms to the raw materials suppliers.
Storage	Store at -20°C, in closed original packaging and away from sources of light, heat and air. It is packed with nitrogen to prevent oxidation. After use seal hermetically with nitrogen to prevent deterioration and oxidation.
Shelf life	24 months in the storage conditions suggested above. 6 months if stored at -4°C. 1 month if stored at room temperature (20°C)
ADDITIONAL	
<p>Allergens: This product neither contains nor presents risk of cross contamination with the substances or products causing allergies or intolerances listing in Annex II Regulation (UE) N° 1169/2011.</p> <p>Natural product coming from vegetable origin and does not get in contact with any animal material during manufacturing, storage and transportation.</p> <p>Pesticides: Conform with Regulation (EC) N° 396/2005 of the European Parliament and the council of 23 February of 2005 on maximum residual levels of pesticides in food and animal feed from vegetable and animal origin which modifies the Directive 91/414/CEE of the council.</p> <p>GMO-free product and, therefore, is not subject to the requirements of Regulation (EC) 1829/2003, or Regulation (EC) 1830/2003.</p> <p>No irradiated materials are used, nor has the product itself been irradiated.</p>	