

TECHNICAL DATA SHEET – FISH OIL

I. SUBSTANCE	Fish oil				
II. PRODUCT USE	Feed and Food ingredient				
III. MANUFACTURER INFORMATION	COPEINCA S.A.C Francisco Graña Nº 155 Urb. Santa Catalina, La Victoria Phone: (511) 2134000 E-mail: sales@copeinca.com.pe Fax: (511) 2134034 Homepage: www.copeinca.com				
IV. COMPOSITION	100% Anchovy (<i>Engraulis ringens</i>)				
CHARACTERISTICS	Component	Unit	Range	Omega	Aqua
V. CHEMICAL	Free Fat Acids	%	Max	3-4	3-4
	Moisture	%	Max	0.3	0.3
	Moisture and sediment	%	Max	0.6	1.0
	Sediment	%	Max	0.3	0.3
	Unsaponifiable matter	%-	Max	2.5	2.5
	Mineral pollution	%	absent	absent	absent
	Saponification value	MgKOH/g oil	Min - Max	180 - 195	180 - 195
	Iodine value	gr/100g oil	Min - Max	160 - 200	160 - 200
	Peroxide value	meq/100g oil	Max	7	7
	Anisidine value	-	Max	30	30
	Mercury	ppm	Max	0.5	
	Cadmium	ppm	Max	2	
	Lead	ppm	Max	10	
	Arsenic	ppm	Max	10	
VI. PHYSICAL	Color Gardner	%l	Máx.	15	15
	Melting point	°C	Max.	26	26
VII. NUTRITIONAL	Omega 3 (EPA + DHA)	%	Min	24	-
VIII. SENSORY	Color	Light brown or Yellowish			
	Odor	Specific, free from rancid aromas			
	Texture	Slightly viscous liquid			
IX. PRESERVATION METHOD	The conservation of fish oil is based on the reduction of moisture and solids during the stage of centrifugation in order to minimize water and solid levels, and ensure a greater stability in the acidity of oil.				
X. PRESENTATION AND PACKING	In bulk liquid.				



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<p>XI. LIFE TIME</p>	<p>The life time depends of the product’s quality. The parameters of free fat acids, impurities and moisture are responsible for maintaining characteristics of fish oil for export by long time storage periods. However, the maximum storage time is six month starting from the production date.</p>
<p>XII. STORAGE CONDITIONS</p>	<p>The crude fish oil is stored at bulked, on black iron tanks of large capacity at environment temperature. These tanks are hermetic to protect the product.</p>
<p>XIII. TRANSPORT CONDITIONS</p>	<p>The transportation of crude fish oil is:</p> <ul style="list-style-type: none"> • By road, in appropriately cleaned tank units. • By sea, in the hold of ships.