

TECHNICAL DATA SHEET - FISHMEAL

I. SUBSTANCE	Peruvian Steam Dried fishmeal								
II. PRODUCT USE	Animal Feed 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	Super Prime	Prime	Taiwan	Thailand	Standard	
V. CHEMICAL	Protein	%	Min	68	67	67	67	65	
	Fat	%	Max	10	10	10	10	10	
	Moisture	%	Max	10	10	10	10	10	
	Sand	%	Max	1	1	1	1	1	
	Salt + sand	%	Max	4	5	5	5	5	
	FFA	%	Max	7.5	10	10	10	-	
	TVN	mg/100g	Max	100	120	120	150	-	
	Histamine	ppm	Max	500	1000	-	-	-	
	Antioxidant	ppm	Min	150	150	150	150	150	
	Cadmium	ppm	Max	2	2	2	2	2	
	Mercury	ppm	Max	0.5	0.5	0.5	0.5	0.5	
	Chrome	ppm	Max	8	8	8	8	8	
	Lead	ppm	Max	10	10	10	10	10	
Arsenic	ppm	Max	10	10	10	10	10		
VI. PHYSICAL	Grain	Mesh 12	%	Min	99	99	99	99	99
		Mesh 18	%	Min	90	90	90	90	90
	Bulk Density	g/ml	Min	0.5	0.5	0.5	0.5	0.5	
	Compacted density	g/ml	Min	0.65	0.65	0.65	0.65	0.65	
	Flow Coefficient	cm	Max	5	5	5	5	5	
VII. NUTRITIONAL	Digestibility in vision	%	Min	90	90	90	90	90	
	Digestibility modified Torry	%	Min	94	92	92	92	92	
	Soluble protein	% Prot	Min-Max	18 - 32	18 - 32	18 - 32	18 - 32	18 - 32	
VIII. SENSORY	Color	Light brown							
	Odor	Characteristic							
	Texture	Powder							



TECHNICAL DATA SHEET - FISHMEAL

IX. CONSERVATION METHOD	<p>Fishmeal is a dehydrated product; its conservation is based on the reduction of moisture by heat treatment in order to lower water levels remaining where it is not possible microbial growth (low water activity) or reactions chemicals that can deteriorate the product.</p>
X. PRESERVATION METHOD	<p>One of the biggest problems affecting fishmeal quality is the fats oxidation, to slow or prevent the oxidation of unsaturated fatty acids found in fishmeal are used antioxidants.</p>
XI. PRESENTATION AND PACKING	<p>It comes in light brown powder with 50 kg packs. Packed in new sterile polypropylene laminated white bag labeled with a red circle indicates the presence of antioxidant, weighing 50 + / - 0.5 kg / bag. With data:</p> <ul style="list-style-type: none"> • Company information • Product Type (in English and Chinese), • Weight • Batch Number <p>Among others.</p>
XII. LIFE TIME	<p>The time recommended intake of fish meal is within 12 months from the date of manufacture of the product.</p>
XIII. STORAGE CONDITIONS	<p>Fish meal is stored on a polypropylene base forming piles of 1000 bags and covered with blankets of polypropylene laminated. Keep in clean, dry place and protected from contamination. For more information check MSDS.</p>
XIV. TRANSPORT CONDITIONS	<p>Fish meal is transported in a truck platform with a capacity of 600 to 800 bags; these bags are covered with a blanket of polypropylene plastic to protect them from the environment. Fish meal is shipped in bags, bulk containers or in the hold of ships. Previously thoroughly cleaned and disinfected with products approved by the competent authority.</p>