

# TYPICAL ANALYSIS: PERUVIAN FISHMEAL

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## CERPER IS AN INDEPENDENT SURVEYOR ANALYSIS REPORT N° 1601183

H/S 16004111

APPLICANT :  
ADDRESS :

### CERTIFICACIONES DEL PERÚ S.A. -CERPER- CERTIFY :

WE HAVE INSPECTED THE ABOVE MENTIONED PARCEL AND HEREBY CERTIFY THAT

MANUFACTURER :  
PRODUCT : FISHMEAL

#### CONTENT OF MAIN INGREDIENTS

Specifications	Analysis methods	RUMA 023
Crude Protein	AOAC 990.03 c4, 19 Th Ed. 2012. Protein(crude) in animal feed combustion method.	69,22 %
Crude Fat	NTP 204.033:1985 (Revised on 2010). 1st Ed. Fishmeal. Determination of hexane extract (Routine Method) and of diethyl ether extract (Reference Method).	9,43 %
Moisture	NTP-ISO 6496:2011 Section 8.2 Feed for animals. Determination of moisture content and from other volatile matter.	6,1 %
Salt	AOAC – 937.09, c35, 19 th Ed 2012. Salt(Chlorine as Sodium Chloride) in Seafood. Volumetric Method	3,26 %
Ash	AOAC 942.05, c4, 19ThEd 2012. Ash of animal feed.	15,9 %

#### HYGIENE INDEX

Specifications	Analysis methods	RUMA 023
Salmonella	ISO 6579:2002 Technical Corrigendum 1:2004 Microbiology of foods and animal feeding stuff – Horizontal method for the Detection of Salmonella spp.	Absence

#### OTHERS

Specifications	Analysis methods	RUMA 023
Pepsin digestibility	AOAC-971.09, c4, 19 th Ed. 2012. Pepsin digestibility of animal protein – Feeds. Filtration method.	96,29 %
Crude Fiber	AOCS – Ba 6 – 84. 6th Edition 2009. Crude Fiber.	XX %

The fishmeal is produced by factory:  
Fish species are 100% *Engraulis ringens*  
Fishing area is Pacific Ocean/FAO area, Peruvian Coast  
Origin: Peru  
Compliance with feed hygiene specification  
No foreign ingredient and no other animal protein and fat are added.

PLACE OF INSPECTION : MZ. B LOTE 4 Y 5 ZONA INDUSTRIAL GRAN TRAPECIO - CHIMBOTE  
DATE OF INSPECTION : 2016-03-12

CALLAO, APRIL 12, 2016