

FISHERY SERVICES IN LATIN AMERICA AND ASIA

Added-Value Solutions for your Business



intertek
Total Quality Assured.



Total Quality Assurance for the Fishing Industry

Intertek is a leading provider of Assurance, Testing, Inspection, and Certification services, helping our customers to provide top quality products and services while adding value to their business.

We work with domestic and international companies to ensure the quality and safety of products. Intertek is accredited to certify maritime shipments of fishmeal, according to the requirements of the IMO (International Maritime Organization).





We provide integral Assurance, Testing, Inspection, and Certification services for all of your commodities, including fishmeal, canned fish, fishoil, fresh fish, frozen fish, vegetable oils & fats, oilseeds, feedstuffs and related products, based on international standards such as ISO, AOCS, ICMSF, FOSFA, GAFTA, IMO, among others.

Intertek provides weight verification, inspection services, cargo services, sampling, and analysis of products to meet the needs of the fishing industry.

Our innovative test tracking ability, enable our company to certify the entire supply chain. That's why Intertek is the independent service provider most trusted by producers, importers and exporters alike.

Fishing Industry Laboratories

Chile

- Iquique laboratory
- Talcahuano laboratory

China

- Shanghai laboratory
- Tianjin laboratory
- Qingdao laboratory
- Guangzhou laboratory

Peru

- Lima laboratory

Ecuador

- Agri laboratory

Brasil

- Agri laboratory

Vietnam

- Agri laboratory

Chemical Analysis: South America

- Humidity
- Protein
- Anti-rust
- Histamine
- Heavy metals
- Pepsin
- Digestibility
- Fiber
- Salt
- Fat
- Ashes
- TVN
- FFA
- Sand
- Acidity
- Impurities
- Unsaponifiable fats
- Peroxide
- Gardner color
- EPA, DHA
- Anisidin index
- Acid value
- Salmonella
- Shigella
- Enterobacteriaceae
- Yeast and mold
- Lipolytic microorganism



MICROBIOLOGICAL ANALYSIS
SOUTH AMERICA

PARAMETER	MATRIX
Aroma	Fishing products
Dermetes	Seafood products
Colour	Seafood products
Odor	Seafood products
Salmonella (P / A)	Seafood products
Determination of aerobic mesophilic bacteria (cfu / g)	Fishing products
Determination of coliform and faecal coliform (NMP / g)	Fishing products
Determination of E. coli (NMP / g)	Fishing products
Determination of enterobacteriaceae (cfu / g)	Fishing products
Determination of enterobacteriaceae (cfu/g)	Fishing products
Determination of fungi and yeast (cfu / g)	Fishing products
Determination of staphylococcus aureus	Fishing products
Identification of fungi aspergillus (P / A)	Fishing products
Vibrio cholerae	Fishing products
Clostridium perfringens	Fishing products
Glucuronidase positive E. coli (MPN / g)	Fishing products
Determination of E. coli (P / A)	Personnel
Determination of E. coli (cfu / cm2)	Surface
S. aureus (cfu / cm2)	Personnel
S. aureus (cfu / cm2)	Surface
Detection of salmonella spp	Foodstuffs and food products
Mesophilic aerobes total bacterial count	Foodstuffs and food products
Determination of mesophilic aerobes	Foodstuffs and food products
Determination of quantity of mesophilic aerobes and facultative anaerobes	Foodstuffs and food products
Detection and quantity determination of coliforms	Foodstuffs and food products
Detection and quantity determination of coliforms and fecals coliforms	Foodstuffs and food products
Determination of enterobacteriaceae without resuscitation (NMP/g y ufc/g)	Foodstuffs and food products
Detection and quantity determination of mold and yeast (ufc/g)	Foodstuffs and food products
Detection of Aspergillus	Foodstuffs and food products
Detection of Vibrio cholerae	Foodstuffs and food products
Detection and quantity determination of Vidrio parahaemolyticus	Foodstuffs and food products
Detection and quantity determination of Escherichia coli	Foodstuffs and food products
Determination of Clostridium perfringens	Foodstuffs and food products
Quantity determination of Staphylococcus aureus	Foodstuffs and food products
Quantity determination of Staphylococcus aureus	Foodstuffs and food products
Quantity determination of Listeria monocytogenes	Foodstuffs and food products
Quantity determination of Bacillus cereus	Foodstuffs and food products

PHYSICAL & CHEMICAL ANALYSIS
SOUTH AMERICA

PARAMETER	MATRIX
Humidity (%)	Fishing industry
Proteins (% Nx6.25)	Fishing industry
Fat (% E.Ethereus)	Fishing industry
Ashes (%)	Fishing industry
Salt (% NaCl)	Fishing industry
Sand (%)	Fishing industry
NBVT (mgN/100g)	Fishing industry
FFA (% Oleic AC)	Fishing industry
Histamines (ppm)	Fishing industry
Antioxidant (ppm)	Fishing industry
Fat (% E.Ethereus)	Fishing industry
Determination of peroxides (mEq/K-fat)	Fishing industry
Anisidine value	Fish oil
Unsaponifiable matter (%)	Fish oil
Gardner Color	Fish oil
Iodine	Fish oil
Soluble protein (%)	Fishing industry
Moisture (%)	Foodstuffs and food products, fishmeal
Moisture by distillation (%)	Fish oil
Unsolvable impurities (%)	Fish oil
Salt. Volhard' method (%NaCl)	Foodstuffs and food products, fishmeal
Salt. Mohr' method (%NaCl)	Foodstuffs and food products
Free fatty acids - acid value. (% Oleic acid - Meq. KOH/g fat)	Foodstuffs and food products, fishmeal
Nitrogen basic volatile total , NBVT (mgN/100g)	Foodstuffs and food products, fishmeal
Moisture (%)	Fishmeal
Crude Fat (%)	Fishmeal
Ethoxiquine (%)	Fishmeal
Peroxide value (Meq/Kfat)	Fish oil
Moisture and Volatile matter %	Fish oil
Determination of Free fatty acids - acid value. (% Oleic acid - Meq. KOH/g fat)	Fish oil
Unsaponifiable Matter %	Fish oil
Crude Ash %	Foodstuffs and food products, fishmeal
Sand%	Foodstuffs and food products, fishmeal

METHODOLOGY/ TECHNIQUE

- NCh2675.Of2002 Ref. ISO 6479:1993E
- ISO 6579:2002
- NCh2959.Of2002 Ref: BAM 1995, FDA, cap. 3
- ISO 4833:2003 (E)
- Interstate standard. GOST 10444.15-94
- Effective as of 1996-01-01
- National standard of the Russian Federation. GOST R 52816-2007 Effective as of January 01, 2009
- NCh2635/1.Of2001 Ref: ISO 4831:1991, BAM-FDA 1995
- NCh2676.Of2002 Ref: ISO 7402:1993E
- ISO 7402:1993
- NCh2734.Of2002 Ref: ISO 13681:1995
- NCh 2735 Of 2002 Ref: identification manual of micro fungus.
- NCh 2640 Of 2001 FDA- BAM 1995, cap. 9
- FDA, Bacteriological Analytical Manual 2004, On line
- NCh 3056 Of 2007
- NCh 3961 Of. 2007
- NCh 2671 Of. 2002
- NCh 2828 Of. 2003
- NCh 2657 Of. 07
- BAM - FDA cap 14
- NCh 517 Modified
- NCh 2669 Of 2001
- NCh 2739-1 Of 2002 Volhard
- NCh 2739-2 Of 2002 Mohr
- Method
- NCh 515 Of.1980
- NCh 2668. Of 2001
- NCh 2759. Of2002
- NCh 2637. Of 2001
- NCh 2751. Of. 2003
- NCh 2638 Of. 2001
- NCh 3140 Of. 2008
- NCh 2667 Of. 2001





- I.A.F.M.M. Technical bulletin N°3
- NCh 2670 Of.2001
- NCh 2758. Of2002
- ISO 6885
- NCh 99 Of 56
- AOAC Td 1 a64
- ISO 3961 1989
- Method water solubility
- NCh 2670 Of.2001 (method A) Ref: ISO 1442:1997
- NCh 2670 Of.2001 (method C) Ref: IAACS, Official Methods, Ca-2a-45:1975
- NCh 2744 Of. 2002 Ref: AOCS, Official Methods, Ca - 3a - 46:1997
- NCh 2739/1 Of. 2002 Ref: AOAC Official Methods 937.09:1995
- NCh 2739/2 Of. 2002 Ref: AOAC Official Methods 937.09:1995
- NCh 2759 Of 2002 Ref: AOCS Official Methods. Ca-5a-40 ISO 660:1996
- NCh 2668. Of 2001 Ref: Codex Alimentarius 1986. 14/8 AOAC 1996. 937.07
- AOAC 1965
- IAFMN TB 3-1980
- NCh 2758. Of2002 Ref: AOCS Official Methods, Ca.8.53 1997
- ISO 662 1980 (E)
- ISSO 660 1983 - 11 - 01
- AOCS, Ca 6b 53
- NCh 2669 Of. 2001
- NCh 515 Of. 1980
- ISO 3961 1989 E
- Method kjeldalh
- Method water solubility & det. Kjeldalh
- Method Soxlet
- IFOP E 1990
- IFOP 1970
- PTR ISP



CHINA SERVICES

FISHMEAL

On-site Inspection Service:

- Draft survey
- Discharge supervision
- Tally sampling during discharge
- Weighbridge supervision
- Damage survey

Lab Testing Service

TEST ITEMS	TEST ITEMS
Protein	GAFTA 4:0
Fat	GAFTA 3:0
Moisture	GAFTA 2:1
Salt & Sand	AOAC 937.09 & GAFTA 13:0
TVBN	AOAC 920.03
Ash	AOAC 920.03
Acid Value	AOCS Official Method Cd 3d-63(2009)
Histamine	Journal AOAC International Vol.76 No.3,1993
Salmonella	ISO 6579:2002
Shigella	GB/T 8381.2-2005
Melamine	NY/T1372-2007 (HPLC Method)

FISH OIL

On-site Inspection Service:

- Storage Tank: Gauge, sampling, sealing (pipeline/valves)
- Vessel: Cleanliness check before loading, loading/discharging supervision, quantity sounding, sampling, sealing
- Container/Flexi-tank: Cleanliness check before loading, loading/discharging supervision, weighing supervision, sampling, sealing
- Damage Survey: Quantity verification, sampling for quality analysis, transshipment attestation
- Other inspection services

Lab Testing Service:

- Freshness Parameters: FFA, Peroxide, Anisidine value
- Quality Parameters: EPA+DHA, omega 3, moisture & impurities, iodine value, Gardner color
- Heavy Metals: Pb, Cd, Hg, As
- Additives: antioxidant as BHT
- Pollution Parameters: Dioxin & dioxin-like PCBs, pesticide/veterinary residues
- Phthalates: DEHP, DINP, DBP
- Others: Microbes, density
- Remark: Testing methods available ISO, AOAC, ASTM, Chinese GB



FROZEN SEA FOOD

On-site Inspection Service:

- PSI/FRI as per client's instruction on USDA Grading standards
- Loading supervision
- Damage/defect inspection

Lab Testing Service:

- Physical & chemical analysis
- Microbiological analysis
- Antibiotic residues
- Heavy metal
- PCR technology for GMO component in animal-derived products
- Food container and material testing
- Remark: Test methods available ISO, FDA, AOAC, ASTM, Chinese GB



VIETNAM **SERVICES**

- Fish oil: We supervise loading operations (quantity, quality) in Can Tho port
- Fishmeal: We supervise loading/ discharging operations (quantity, quality) in Phu My port and Ho Chi Minh port
- Accreditations: Fosfa, ISO17020, Vias, ISO17025, Ilac-MRA, Vilas

INDIA **SERVICES**

- Supervision and assurance of fish and fishery products procurement
- Supervision and assurance of fish and fishery products process
- Supervision and assurance of fish and fishery products packaging
- Chemical analysis in fish and fishery products
- Microbiological analysis in fish and fishery products
- Inspection of fish and fishery products (quality and quantity)
- Fish meal and fish oil testing (quality and quantity)
- Frozen seafood inspection (quality and quantity)



OUR CUSTOMER PROMISE

Intertek Total Quality Assurance expertise, delivered consistently with precision, pace and passion, enabling our customers to power ahead safely.



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