

## **IR010-2021.02.01-Health Requirements for importing Aquatic animals Complete Feed to I.R.of Iran**

### **A- SCOPE**

This IHR is drawn up for importing Aquatic animals Complete (Non-medicated) feed from abroad to Iran.

### **B-GENERAL REQUIREMENTS**

- 1- The importer shall prepare the required documents and papers and submit to IVO which might be different depending on the case.
- 2- The feed establishment must be approved and supervised by the competent authority in accordance with regulation (EC) n.625/2017.
- 3- The establishment must have verified International quality assurance systems like HACCP, ISO22000 , according to the regulation (EC) n.183/2005.
- 4- The goods in the consignment originate from areas free from OIE notifiable diseases transmissible through this goods.At the time of production and shipment of the party, no epidemic among of animals according to the OIE notifiable diseases prevailed within 15 km radius of the processing plan.
- 5- The fish feed must have Free sale and don't contain any pesticides, growth hormones or antibiotics.
- 6- According to the OIE code-2019(Chapter 4.8.) ,during the manufacturing process if the products have heat treatment at 121°C for 3/6 minutes or 100°C for 30 minutes at the center of the mass or undergo significant processing such as acidification, extrusion and extraction ,the risk of the pathogenic agents were be negligible , and therefore don't need to issuing Health certificate for OIE listed notifiable diseases .
- 7- The fish feeds mustn't contain meat meal protein, bone meal or any protein of animal origin, except fish meal.
- 8- The fish meals and the fish oils used should classified in the category 3 as defined by the EU directive 1774/2002.
- 9- The feed must be free from Genetically Modified Organisms (GMO).
- 10-The feed materials must come from an area free of infective diseases for animals for which the goods are designed and manufactured.
- 11-The feed for aquaculture animals meet the requirements of hygiene in accordance with Regulation (EC) n.183/2005.
- 12-The feed for aquaculture animals are placed on the market in accordance with regulation (EC) n.767/2009.



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- 13-The feed for aquaculture animals can contains additives in accordance with Regulation (EC) n.1831/2003.
- 14-The feed for aquaculture animals can contain fish meal, products based on blood meal and/or processed animal proteins in accordance with Regulation (EC) n.1069/2009.
- 15- The feed for aquaculture animals don't contain processed animal proteins except as Laid down in the annexes I and IV of Regulation (EC) n.999/2201 and Accordance with Regulation (EC) n.56/2013(Section D) if the feed contains processed animal proteins they must be labeled.Using of by-products of farmed fish or processed animal protein derived from the bodies or parts of bodies of farmed fish in the feed is prohibited [REGULATION (EC) No 1069/2009].
- 16-The feed shouldn't have any animal slaughterhouse waste except of poultry meal (max. 30% of total protein in diet).
- 17- **Certificate of origin** must be issue by competent authority of the country of origin.

#### C- Organoleptic criteria

- The feed have a maximum moisture content 12%.

#### D- Bacteriological criteria

According to the competent authority's control plan, the feed have undergone bacteriological examination and:

Product	Test	No. of samples ( n)	c	m	M	Test method
Aquatic animals Complete feed	<b><i>Entrobacteriaceae (g)</i></b>	5	2	10	100	ISO 4833
	<b><i>Salmonella(in 25 g)</i></b>	5	0	0		EN/ISO 6579

#### E-1)Chemical and *Heavy metals* criteria



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Test	Maximum levels in Fish feed (mg/kg relative to a feedingstuff with a moisture content of 12 %)	Maximum levels in Other Aquatic animals feed (mg/kg relative to a feedingstuff with a moisture content of 12 %)	Test method
<b>Aflatoxin B1</b>	0/01	0/01	HPLC
<b>Lead</b>	5	5	Atomic Absorption Spectroscopy(AAS)
<b>Cadmium</b>	1	0/5	
<b>Arsenic</b>	4	2	

### E-2) Dioxins and PCBs

Test	Maximum levels in Fish feed( ng/kg)	Maximum levels in Other Aquatic animals feed ( ng/kg)	Test method
<b>Sum of dioxins</b>	1/75	0/75	NF-EN 1528-1996
<b>Sum of dioxins and dioxin-like PCBs</b>	5/5	1/5	NF-EN 1528-1996

### E-3) Additives (Salmon, trout)

Test	Maximum levels in Fish feed( mg/kg)
<b>Citranaxanthin(E 161g)</b>	25
<b>Astaxanthin(E 161j)</b>	100