2.3.2.1078-01,

To SanPiN

Approved by Decree
No: 36 dated November 14, 2001, of
The Russian Federation Chief State sanitary physician

PARASITOLOGICAL SAFETY FACTORS
(FISH, CRUSTACAE, MOLLUSCS, AMPHIBIANS, REPTILES AND PRODUCTS <*>)

River (freshwater(fish) and processed fish products

Table 1

Index	LIVEL (II								and						
	Product			t le	_					_					
	group	-	Live	e 1	arva	ae									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	The Carp	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	_	_	-	n/a	_
2.	The Pike family	-	-	-	-	n/a	-	-	-	n/a	n/a	-	-	n/a	-
3.	The Perch family	-	-	-	-	-	-	-	n/a	n/a	n/a	-	-	-	-
4.	The Salmon family	-	-	-	-	n/a	ı	-	n/a	-	n/a	n/a	-	-	-
5.	The Sig family	-	-	-	-	-	ı	-	-	-	n/a	-	-	-	-
6.	The Grayling family	-	-	-	-	n/a	-	-	-	-	n/a	-	-	-	-
7.	The Cod family	-	-	-	-	-	-	-	-	-	n/a	-	-	-	-
8.	The Sturgeon family	-	-	-	-	-	-	-	-	-	-	n/a	n/a	-	-
9.	The Snakehead- fish family	-	-	-	-	-	-	-	-	-	-	-	-	-	n/a
10.	The Under- stone-fish family	-	-	-	-	-	-	-	-	-	-	-	-	n/a	-
11.	The Sheat- fish family	-	-	-	-	-	-	-	-	-	-	-	-	n/a	-
12.	Minced fish of Species mentioned in 1-11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
13.	Tinned and preserved products	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

	from fish														
	species														
	mentioned														
	in 1-11														
1.4						<u> </u>		ļ .	<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	.
14.	Fried,	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	jelled,														
	salted,														
	pickled,														
	Smoked,														
	dried fish														
	of the														
	species														
	mentioned														
	in 1-11														
15.	Hard roe	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
	(caviar)	11/a	11/a	II/a	11/a	111/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	II/a	11/a
	Of fish of														
	the														
	following														
	families:														
15.1.	The pike,										,				
13.1.	perch, cod	-	-	-	-	-	-	-	-	-	n/a	-	-	-	-
	(eel-pot														
	species), the														
	grayling														
	family														
15.2.	The salmon	-	-	_	-	-	_	_	_	_	n/a	n/a	_	_	_
	family														
15.3.	The sig	_	_	_	_	_	_	_	_	_	n/a	_	_	_	_
	family										11/ 4				
15.4.	The	_	_	_	_	_	_	_	_	_	_	n/a	_	_	_
	sturgeon											11/ a			
	family														
	(the Amur,														
	the Volga														
	river,														
	Caspian														
	sea)														
	bed /			ı			ı	ı	ı	ı	ı	ı	ı	ı	l

2) Parasites larvae

1	2	3
3- Opistorhis		13- anizakis
4- klonorhis	12-diphillobotrium	14-contracecum
5- pseudamphist		15-dioctophim
6- metagonimus		16-gnatostom
7- nanophietus		
8- echinohasmus		
9- metorhis		
10-rossicotrem		
11-apophalus		

Passing fish and processed products

Index	Product group	Parasitological	factors	and	permissible
		Content levels			

Table 2

		Li	ve larv	ae			
1	2	3	4	5	6	7	8
1.	Salmon	-	n/a	n/a	-	-	-
2.	Far East Salmon	n/a	n/a	n/a	n/a	n/a	n/a
3.	Minced fish mentioned in sections 1 Section 2	- n/a	n/a n/a	n/a n/a	- n/a	- n/a	- n/a
4.	Tinned and preserved products from fish species mentioned in section 1 Section 2	- n/a	n/a n/a	n/a n/a	- n/a	- n/a	- n/a
5.	Fried, jelled, salted, pickled, Smoked, dried fish of the species mentioned in section 1 Section 2	- n/a	n/a n/a	n/a n/a	- n/a	- n/a	- n/a
6.	Hard roe (caviar) Of the species mentioned in sections 1-2	-	n/a	n/a	-	-	-

2) parasites larvae

Trematodas	Cestodas	Trichuris	Acanthocephalus
		vulpis	lucii
3- nanophietus	4-	5- anizakis	7-bolbozoma
	diphillobotrium		
		6- contracecum	8-corinozoma

Table 3

Sea fish and processed products

Index	Product	Par	asi	tolc	gica	al f	acto	ors	and	per	miss	sibl	е	
	group	Cor	iten	t le	vel	3								
			Liv	e 1	arva	ae								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Sea fish (divided acc. to fishing areas and species)													
1.	Barents Sea:													
1.1.	The salmon family	-	-	-	-	-	n/a	-	-	n/a	_	-	-	-
1.2.	The smelt family	-	-	-	-	-	n/a	_	_	n/a	_	-	-	-
1.3.	The herring family	-	-	-	-	-	-	_	_	n/a	_	-	-	-
1.4.	The cod family	-	-	n/a	_	_	n/a	-	n/a	n/a	n/a	n/a	n/a	-
1.5.	The scorpen family	-	-	-	-	-	-	-	-	n/a	-	-	-	_
1.6.	The flat-fish family	-	-	-	-	-	-	-	-	n/a	_	_	_	-

Ī	T				1	1	1	1		1		1		
2.	Northern Atlantics													
2.1.	The smelt family	-	-	n/a	-	-	-	-	-	n/a	-	-	-	-
2.2.	The herring family	-	-	n/a	-	_	-	-	-	n/a	-	n/a	-	-
2.3.	The cod family	-	_	n/a	_	-	n/a	_	-	n/a	-	-	_	_
2.4.	The macrorus	-	_	_	_	-	_	_	-	n/a	-	_	_	-
	family													
2.5.	The merlusa family	-	-	-	-	=	-	-	-	n/a	-	-	-	-
2.6.	The mackerel family	-	_	_	-	_	-	-	-	n/a	-	_	-	n/a
2.7.	The scorpen family	-	-	-	-	-	-	-	-	n/a	-	-	-	-
2.8.	The flat-fish family	-	-	n/a	-	-	=	=	-	n/a	-	-	-	-
3.	Southern Atlantics													
3.1.	The merlusa family	-	-	-	-	-	-	-	-	n/a	-	-	-	n/a
3.2.	The horse- mackerel family	-	-	-	-	-	-	-	-	n/a	-	-	-	-
3.3.	The bullock- tail family	-	=	=	-	-	-	-	-	n/a	-	-	-	n/a
4.	Baltic Sea													
4.1.	The smelt family	-	=	=	=	=	=	=	-	-	-	=	n/a	-
4.2.	The herring family	-	=	=	=	-	=	=	-	n/a	-	=	n/a	-
4.3.	The cod family	-	-	n/a	-	-	_	-	-	n/a	-	-	-	-
4.4.	The flat-fish family	-	-	-	-	-	-	-	-	n/a	-	-	-	-
5.	Black Sea, Azov Sea, Mediterranean Sea													
5.1.	The bull-head	_	n/a	_	n/a	n/a	_	_	_	_	_	_	_	_
5.2.	fish family The grey	_	n/a	_	11/a	11/a	_	_	_	_	_	_	_	_
6.	mullet family Sub-Antarctic,	_	11/a	_	_	_	_	_	_	n/a	_	_	_	n/a
	Antarctic The cod family	_	_	_	_	_	_	_	_					
6.2.	The cod family The merlusa	-	_	_	_	_	_	_	-	n/a n/a	n/a n/a	n/a n/a	n/a n/a	n/a n/a
	family									·				
6.3.	The Oshibny family	-	-	-	-	_	-	_	-	n/a	-	=	-	-
6.4.	The nototenia family	-	-	-	-	-	n/a	-	-	n/a	n/a	n/a	n/a	n/a
6.5.	The white blood fish family	-	-	-	-	-	n/a	-	-	n/a	n/a	n/a	n/a	n/a
7.	Indian Sea													
7.1.	The horse- mackerel family	-	-	-	-	-	_	-	-	n/a	-	-	_	-
7.2.	The mackerel family	_	-	-	-	-	-	_	_	n/a	_	-	-	-
7.3.	The thread fin fish family	_	_	_	-	_	_	_	_	n/a	_	_	_	-
8.	Pacific Ocean									,	,			n/a
8.1.	Pacific Ocean The salmon family	n/a	-	-	n/a	-	n/a	-	-	n/a	n/a	-	n/a	
8.1.	Pacific Ocean The salmon family The anchovy family	-	-	-	-	-	n/a -	-	_	n/a n/a	n/a -	-	n/a -	-
8.1. 8.2. 8.3.	Pacific Ocean The salmon family The anchovy family The herring family	-	-		-									
8.1.	Pacific Ocean The salmon family The anchovy family The herring	-	-	-	-	-	-	-	-	n/a	_	-	-	-
8.1. 8.2. 8.3.	Pacific Ocean The salmon family The anchovy family The herring family The horse- mackerel	-	-	-	-	-	-	-	-	n/a n/a	-	-	-	-
8.1. 8.2. 8.3. 8.4.	Pacific Ocean The salmon family The anchovy family The herring family The horse- mackerel family The rasp	-	-	-	-	-	- n/a	-	-	n/a n/a n/a	- - n/a	-	-	-

	family													
8.7.	The Scorpen family	=	=	=	=	-	-	=	=	=	-	-	=	n/a
8.8.	The berisk family	-	-	-	-	-	_	-	-	-	_	-	-	n/a
8.9.	The hempile family	-	-	-	-	-	_	-	-	-	_	-	-	n/a
8.10.	The tunny family	-	=	=	=	-	-	=	=	=	-	-	=	n/a
8.11.	The cod family	-	-	-	_	-	-	-	n/a	n/a	-	n/a	-	-
9.	Minced fish mentioned in sections 1-8	n/a	n/a	n/a	n/a	-	n/a							
10.	Tinned and preserved products from fish species mentioned in 1-8	n/a	n/a	n/a	-	-	n/a							
11.	Fried, jelled, salted, pickled, Smoked, dried fish of the species mentioned in 1-8	n/a	n/a	n/a	-	-	n/a							
12.	Hard-roe (caviar) of Cod fish	-	-	-	-	-	-	-	-	n/a	-	n/a	-	-
13.	Cod fish liver	_	-	-	-	-	-	-	-	n/a	-	n/a	_	_

2) parasites larvae

Trematodas	Cestodas	Trichuris	Acanthocephalus
		vulpis	lucii
3- nanophietus		11- anizakis	14-bolbozoma
4-	8-	12-contracecum	15-corinozoma
heterophietus	diphillobotrium	13-	
5-	9-diplogonoporus	preudoterranium	
cryptocortilus	10-		
4- klonorhis	pyramicocephalus		
6- rossicotrem			
7- apophalus			

Table 4 Crustaceans, sea mollusks, Amphibians, reptiles and processed products

Index	Product	Parasitological factors and permissible											
	group	Cont	Content levels										
		L	Live larvae										
1	2	3	4	5	6	7	8	9	10	11			
1.	Crustaceans and processed products												
1.1.	Crawfish from the Far East water-	n/a	_	_	_	_	_	_	_	_			

	reservoirs (Russia, Korean peninsula, Korean People's republic etc.)									
1.2.	Freshwater shrimps from the Far East water-reservoirs (Russia, Korean peninsula)	n/a	_	ı	ı	_	_	_	_	_
1.3.	Freshwater crabs from the Far East water-reservoirs of Russia, South-East Asia, Shri-Lanka, Central America, Peru, Liberia, Nigeria, Cameroon, Mexico, Philippines)	n/a	-		1	-	_	-	_	-
1.4.	Dressing of freshwater crabs (see section 1.3.)	n/a	_	ı	ı	_	_	_	-	-
2.	Sea mollusks and processed products									
2.1.	Squids	-	-	n/a	n/a	n/a	_	_	_	_
2.2.	Octopus	-	-	n/a	-	n/a	_	_	_	_
2.3.	Crests	-	_	_	_	_	_	_	n/a	_
2.4.	Spizulas	-	_	_	_	_	_	_	n/a	_
2.5.	Oysters	_	_	_	_	_	_	_	_	n/a
3.	Amphibians (frogs)	_	n/a	_	_	_	n/a	n/a	_	_
4.	Reptiles									
4.1.	Snakes	_	n/a	_	-	_	-	_	_	_
4.2.	Tortillas									
4.2.1.	Sea	_	_	-	-	_	-	_	n/a	_
4.2.1.	Freshwater	-	-	-	_	_	-	n/a	_	_

2) parasites larvae

Trematodas	Cestodas	Trichuris
		vulpis
3- paragonimus	4-spyromer	5- anizakis
		6-contracecum
		7-
		preudoterranium
		8-dioctophim
		9-gnatostom
		10-sulcascaris
		11-
		echinocephalus