Voluntary _ Public

Date: 2/8/2011
GAIN Report Number: UP1105

Ukraine

Post: Kiev

Mandatory Veterinary Testing Requirements

Report Categories:
FAIRS Subject Report

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Report Highlights:
This report contains approved minimal mandatory tests for products of animal and plant origin, feeds, feed additives, vitamins and other products subject to veterinary control. Tests are conducted in state veterinary labs at the point of entry.

General Information:

This FAIRS Subject GAIN report contains a list of compulsory tests for products of animal origin and feeds that are conducted by the State Veterinary Service of Ukraine before releasing the products into Ukrainian territory. The last time the list was amended was in 2004. It remains the main document guiding import testing at entry points. Beside imports this document also sets requirements for domestically produced products. Other tests can be assigned. There is no comprehensive document available listing the entire universe of tests and permitted MRLs.

If a product successfully passes the prescribed test then so called Form #2 is issued. This Form replaces the import certificate and becomes a main veterinary document that accompanies the shipment on Ukrainian territory. Without exception, all products subject to veterinary control are subject to sampling and testing.

FAS/Kiev would like to make the following remarks about the document:

1. Translation disclaimer.
   Although every effort was made to have a correct and precise translation of the document FAS/Kiev could not guarantee that all chemical and microbiological terms and definitions are translated correctly. This limitation stems from Ukraine's use of outdated soviet trade names and brands instead of generic chemical formulas and/or names of substances widely used internationally. Scrutiny of the original text revealed that the same substance was named differently in the source Ukrainian document. FAS/Kiev is ready to resolve possible problems on a case-by-case basis. Please get in touch with our office if you have problems understanding some terms or MRLs.
2. Product names used in the document are often tied to outdated Soviet State Standards. For more information on the standardization system, please refer to the original FAIRS Country report here. It is for this reason that some requirements contain a procedure for verification of the recipe. For some unknown reason safety norms often differ for different grades (quality traits) of the same product. Safety and quality norms are often confused and interlinked with each other.
3. The requirement s contain separate subsets of requirements for children (not baby) food, although these subsets cover only a limited number of products.
4. The Ukrainian Veterinary Service has established limited zero tolerances for many pathogens. Not a single pathogen is allowed in certain (usually 25 grams) samples of product. It is not clear how this zero tolerance is followed in both imported and domestic products.
5. For some products the list contains separate norms for domestic and imported products.
6. In the view of FAS/Kiev the list contains some qualitative (unrelated to safety) indicators that are usually agreed between producers and traders as contract terms.

No.	Group products	Performance Studies	Acceptable level mg / kg, less than	Remarks
1	Meat products			

	meat			
1.1	Meat and poultry, fresh chilled and frozen	Toxic elements:		
		Lead	0,5	
		Cadmium	0,05	
		Arsenic	0,1	
		Mercury	0,03	
		Copper	5,0	
		Zinc	70,0	
		Pesticides:		
		Bazudyn	Not allowed	In poultry meat
			7	In meat (Recalculated into fat)
		gamma HCH	0,1	
		Dichlorvos	Not allowed	
		DDT and its metabolites	0,1	
		Karbofos	Not allowed	
		Metafos	- "-	
		Hlorofos	- "-	
		Mycotoxins:		
		aflatoxin B1	0,005	
		Antibiotics units / h, maximum:		In wild birds
		tetracycline group	Not allowed	<0,01 below sensitivity
		hryzyn	Not allowed	<0,5 - "-
		tsynkbatsitratsyn	Not allowed	<0,02 - "-
		Radionuclide,		

		Bq / kg: cesium-137 strontium-90 Parasitologists Indicators: trichinosis cysticercosis Microbiological Indicators:	 200 20 not allowed not allowed	
1.1.1	Meat of animals fresh chilled and frozen			
		Swab-prints mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle-shape) CFU in 1 g Pathogenic microorganisms in including Salmonella, weight of product (g), in which no presence allowed	Microflora absent or attended by single cocci or sticks 3 x 10^6 - 3 x 10^7 5 x 10^6 less than 10^3 25	 Beef frozen in 1 piece Veal and Pork, frozen in 1 pieces L.monocytogenes in 25 g is not allowed
1.1.2	Carcasses and Poultry meat chilled:			
		mesophillic aerobic bacteria count, CFU in 1 g, less than Pathogenic microorganisms in	1 x 10^4	 L.monocytogenes in 25 g is

		including Salmonella, weight of Product (g), in which no presence allowed	25	not allowed
	frozen	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^5	
		Pathogens, including Salmonella, weight of Product (g), in which no presence allowed	25	L.monocytogenes in 25 g is not allowed
	packed, chilled, frostbitten, frozen	mesophillic aerobic bacteria count, CFU in 1 less than	5 x 10^5	
		Pathogens, including Salmonella, weight of Product (g), in which no presence allowed	25	L.monocytogenes in 25 g is not allowed
1.1.3	Semifinished poultry products natural:			
	Meat &Bones, boneless, without breading	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^5	
		Pathogens, including Salmonella, weight of Product (g), in which no presence allowed	25	L.monocytogenes in 25 g is not allowed
	Meat &Bones, boneless, Breaded with spices sauce, pickled	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^5	
		Pathogens, including Salmonella, weight of Product (g), in which no presence allowed	25	L.monocytogenes in 25 g is not allowed
	meat in pieces	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^6	

	boneless in blocks	Pathogenic, including Salmonella, weight of Product (g), in which is not allowed	25	L.monocytogenes in 25 g is not allowed
	Mechanically deboned meat chilled, frozen in blocks; bones remainder chilled, frozen in blocks; semiprocessed bones frozen	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^6	L.monocytogenes in 25 g is not allowed
		Pathogens, including Salmonella, weight of Product (g), in which no presence is allowed	25	L.monocytogenes in 25 g is not allowed
1.1.4	Chicken Skin			
		mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^6	L.monocytogenes in 25 g is not allowed
		Pathogenic, including Salmonella, weight of Product (g), in which no presence is allowed	25	
1.1.5	Crude Fat beef pork mutton and other slaughter animals (Chilled, frozen) speck pork chilled, frozen			

	salted, smoked			
		Toxic elements:		
		Lead	0,1	
		Cadmium	0,1	
		Arsen	0,03	
		mercury	0,03	
		Pesticides:		
		hexachlorocyclohexane (Alpha, Betty, gamma isomers)	0,2	
		DDT and its metabolites	1,0	
		Antibiotics units / h, maximum:		
		tetracycline group	Not allowed	<0,01 below sensitivity method
		hryzyn	Not allowed	<0,5 - "-
		tsynkbatsytratsyn	Not allowed	<0,02 - "-
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	50	
		Microbiological Indicators:		
1.1.5.1	Fink pork chilled, frozen unsalted	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	
		E.Coli Group (circle-shape)	0,001	
		Product weight (g), in which no presence allowed		
		Pathogenic, including Salmonella, weight of Product (g), in which no	25	L.monocytogenes in 25 g is not allowed

		presence allowed		
1.1.5.2	Products from pork fat and brisket salted, smoked and smoked baked	mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle-shape) Product weight (g), in not allowed Sulfitreductive clostridium, weight Product (g), in not allowed Pathogenic microorganisms including salmonella, product weight (g), in which is not allowed	5 x 10^3 1,0 0,1 25	L.monocytogenes in 25 g is not allowed
1.1.6	Meat, obtained from slaughter animals which belongs to citizens Ukraine	Veterinary certificate F-2 issuance is subject to veterinary and animal owner sanitary requirements and regulations (Timely prophylactic vaccinations and other veterinary and sanitary measures) and post mortem review of animal and appropriate veterinary documents issued by the specialist of state veterinary medicine service in the prescribed manner		
1.1.7	Meat chilled, that Imported	imported chilled meat, is subject to veterinary and sanitary expertise if exporting country veterinary certificate is available	When deviations from admissible meat norms is found	

		in accordance with acting regulatory documents on following indicators: organoleptic - appearance, color, consistency, odor, fat condition, bone marrow, quality of broth, traits of fresh, chilled, frozen, defrosted and re-frozen meat; physical and chemical - fatty acid, content of amino-ammonia nitrogen reaction of copper sulfate; bacterioscopic research; Parasitological - beef is examined for cysticercosis, pork, horsemeat - is examined for trichinelliosis with negative result	tresting on all envisaged indicators that included in Vet. sanitary rules is cond. Meat, which was found law quality according to organoleptic indicators is not tested further	
1.2	Sausages and cooked products of meat and poultry	Toxic elements: lead cadmium arsenic mercury copper zinc Mycotoxins: aflatoxin B1 Pesticides, Radionuclide as in clause 1.1 Microbiological Indicators:	 0,5 (0,3) 0,05 (0,03) 0,1 0,03 5,0 70,0 0,005	In parentheses - norms for specialized products for children

		mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^3	Sausages boiled, sausages, little sausage and sausages cooked of poultry meat for consumption by children
				liver sausage with egg of upper sort, brawn Russian upper sort, bacon pressed
			to 2,5 x 10^3	Boiled sausages 2 - grade
			1,5 x 10 ^3	Sausage liver
			2 x 10^3	common 1-grade
			2 x 10 ^3	Sausage liver 2-
			5 x 10^3	grade
			1 x 10 ^3	Sausages made of blood
			2 x 10^3	Brawn
			2 x 10^3	White 1-grade
			2 x 10^3	Brawn Gray 3 - grade
			5 x 10^2	Ham; beef pressed, roll of beef packed

				and without packaging
			1 x 10 ^2	Ham; ham packaged,
			2 x 10^2	roll
		E.Coli Group (circle-shape) mass Product (g) in which is not allowed	1,0	Except liver sausages 2-variety, brawn White 1 variety and gray 3 rd grade, roast pork, ham packaging
			0,1	Sausage liver 2-grade
			0,5	Brawn white 1 grade
			0,5	Brawn gray 3 rd variety
			10	Ham; ham packaged, roll
		Sulfitreductive clostridium, weight Product (g), in not allowed	0,01	Except to sausages and boiled sausages of poultry for children food brawn, ham, beef pressed, roll beef roast pork, ham packaged, bacon pressed

			0,1	Sausages and sausages Cooked meat for poultry Children food; brawn all sorts
		Pathogenic microorganisms including Salmonella, weight of product (g), in which no presence allowed	25	
		Staph. aureus, weight of product (g), in which no presence allowed	1,0	For sausages and sausages boiled made of poultry for children's food
	Sausages and cooking products meat (including poultry) domestic production	Veterinary-sanitary control is conducted trough testing of products on contents of toxic elements pesticides, mycotoxins, Radionuclide one time per quarter in accordance to norms stated in paragraphs 1.1-1.2. On the physical-chemical and microbiological parameters meat and sausage smoked is checked no less than once a month; cooked sausage, sausages, big cooked and smoked sausages etc. at least one time every 10 days		
1.3	Canned food meat and meat and vegetable			
	Canned Meat and poultry in glass,	Toxic elements:		

	aluminum and tight-sealed tin containers			
		lead	0,5	
		cadmium	0,05	
		arsenic	0,1	
		mercury	0,03	
		copper	5,0	
		zinc	70,0	
		Mycotoxins:		
		aflatoxin B1	0,005	
		Microbiological Indicators:		Industrial sterility is declared by manufacturer.
		mesophillic aerobic bacteria count, CFU in 1 g, less than	2 x 10^4	Poultry pasteurized
			2 x 10^2	Beef pasteurized, chopped ham
		Staph. aureus, weight product (D), which not allowed	1,0	
		Mesophillic sulfitreductive clostridium, weight of product (g), in which no presence is allowed	0,1	
		Bact. cereus, weight product (g), in which no presence is allowed	1,0	
		Pathogenic microorganisms in including Salmonella, weight product (g), in which no presence is allowed	25	
		Pesticides, Radionuclide by as in 1.1 above		

1.3.2	Canned meat and poultry team tin containers	Toxic elements:		
		lead	1,0	
		cadmium	0,1	
		arsenic	0,1	
		mercury	0,03	
		copper	5,0	
		zinc	70,0	
		tin	200,0	
		Mycotoxins:		
		aflatoxin B1	0,005	
		Pesticides, Radionuclide as in 1.1		
		Microbiological Indicators as in chapter 1.3.1		
1.4	Offal of agricultural animals and poultry	Toxic elements:		
		lead	0,6	
		cadmium	0,3	
		arsenic	1,0	
		mercury	0,1	
		copper	20,0	
		zinc	100,0	
		Mycotoxins:		
		aflatoxin B1	0,005	
		Pesticides, Radionuclide as in 1.1		
	Kidneys and processed products	Toxic elements:		
		lead	1,0	
		cadmium	1,0	
		arsenic	1,0	
		mercury	0,2	
		copper	20,0	
		zinc	100,0	

		Mycotoxins:		
		aflatoxin B1	0,005	
		Pesticides,		
		Radionuclide as		
		in 1.1		
1.5	Eggs and Egg products			
1.5.1	Eggs	Toxic elements:		
		lead	0,3	
		cadmium	0,01	
		arsenic	0,1	
		mercury	0,02	
		copper	3,0	
		zinc	50,0	
		Pesticides:		
		bazudyn	Not allowed	
		DDT and its metabolites	0,1	
		carbofos	Not allowed	
		metafos	- "-	
		hlorofos	- "-	
		Mycotoxins:		
		aflatoxin B1	0,005	
		Antibiotics		
		units / h, maximum:		
		tetracycline group	Not allowed	<0,01 below sensitivity method
		streptomycin	Not allowed	<0,5 - "-
		Vitamins in yolk, mkg / g not less than:	6,0	For hatching eggs
		Vitamin A	15,0	
		carotenoids	4,0	
		Vitamin B2		
		Vitamins in egg white mkg / g:	2,0	
		Vitamin B2		

		Microbiological Indicators:	5 x 10 ^2	
		mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^3	Chicken Egg dietary
			5 x 10 ^4	Chicken Egg table
			5 x 10^3	Melange of eggs frozen; yolks and
			5 x 10^5	egg whites frozen
			5 x 10^5	Melange egg frozen with salt and sugar
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	0,1	Chicken Egg dietary
			0,1-0,01	Chicken Egg table
			0,1	Melange egg frozen; yolks and egg whites frozen
			0,1	Melange egg frozen with salt and sugar added
		Pathogenic microorganisms including salmonella, product weight (g), in which no presence is allowed	5 x 25	Chicken Egg dietary
			25	Chicken Egg table
			25	Melange egg frozen; yolks and egg whites frozen
			25	Melange egg

				frozen with salt and sugar
		Staph. aureus	Not allowed	Melange egg frozen; yolks and egg whites frozen
		Proteus	- "-	Melange egg frozen; yolks and egg whites frozen
		Radionuclide, Bq / 1 pcs:		
		cesium-137	6	
		strontium-90	2	
	Egg powder			
		Toxic elements:		
		lead	3,0	
		cadmium	0,1	
		arsenic	0,5	
		mercury	0,1	
		copper	15,0	
		zinc	200,0	
		Moisture%	6,0-7,0 (Inclusive)	
		Mycotoxins:		
		aflatoxin B1	0,005	
		Antibiotics, units / g maximum:		
		tetracycline group	not allowed	<0,01 below sensitivity method
		streptomycin	not allowed	<0,5 - "-
		Pesticides as in 1.5.1		
		Radionuclide, Bq / kg:		
		cesium-137	80	
		strontium-90	50	
		Microbiological Indicators:		

		E.Coli Group (circle-shape) product weight (g) in which no presence is allowed Pathogenic microorganisms in including salmonella Product weight (g) which is allowed Proteus, weight Product (g), in which is allowed	0,1 25 0,1	
	Eggs and egg Products of domestic production	Eggs and egg products of domestic production are tested on content of toxic elements, pesticides, mycotoxins, Radionuclide, antibiotics, microbiological indicators 1 time per month		
2	Milk and dairy products			
2.1	Milk and lactic products	Toxic elements: lead cadmium arsenic mercury copper zinc Pesticides: bazudyn	 0,1 (0,05) 0,03 (0,02) 0,06 0,005 1,0 5,0 Not allowed	In parentheses - tolerances for food raw material intended for production of children and dietary products

		hlorofos	- "-	
		HCCH gamma isomer	0,05	
		DDT	0,05	
			(0,01)	
		karbofos	Not allowed	
		metafos	- "-	
		hlorofos	- "-	
		Mycotoxins:		
		aflatoxin B1	<0,001	
		aflatoxin M1	<0.0005	
		Antibiotics		
		units / h, maximum:		
		tetracycline group	not allowed	<0,01 below sensitivity method
		streptomycin	not allowed	<0,5 - "-
		penicillin	not allowed	<0,01 - "-
		Microbiological Indicators:		
		mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	Milk pasteurized (For children food)
				milk pasteurized, Group A
			1 x 10^5	Milk pasteurized, Group B
			2 x 10^5	Milk pasteurized in flasks and tanks
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	1,0	Milk pasteurized (For children food)
				milk pasteurized, Group A
			0,1	Milk pasteurized, group B;

				milk pasteurized in flasks and tanks yogurt, sour milk, yogurt
			0,01	Sour cream "Horodskaya" 20% and in 25% fat cont. (without fillers)
			0,001	Smetana all other
		Pathogenic microorganisms in including salmonella, weight og product (g), in which no presence is allowed	50	Milk pasteurized (For children food)
			25	Milk pasteurized, Groups A, B, in flasks and tanks yogurt, sour, yogurt, sour cream all kinds
		Acidity, fat milk - the marking container		
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	20	
	Milk and dairy products of domestic production	Tests for content of toxic elements pesticides, antibiotics is conducted once every six months, for content of mycotoxins - once a year; Radionuclide - once a quarter; for microbiological indicators -		

		once a month		
2.2	Canned food milk			
	Milk condensed (Sterilized in cans)	Toxic elements:		
		lead	0,3	
		cadmium	0,1	
		arsenic	0,15	
		mercury	0,015	
		copper	3,0	
		zinc	15,0	
		tin	200,0	
		Pesticides as in 2.1		
		Mycotoxins:		
		aflatoxin B1	<0,001	
		aflatoxin M1	<0.0005	
		Antibiotics units / h, maximum:		
		tetracycline group	not allowed	<0,01 below sensitivity method
		streptomycin	not allowed	<0,5 - "-
		penicillin	not allowed	<0,01 - "-
		Microbiological Indicators:		Industrial sterility is declared by manufacturer
		mesophillic aerobic bacteria count, CFU in 1 g, less than	2.5 x 10^4	Milk whole condensed sugar added
			2.5 x 10^4	Milk non-fat condensed sugar added
			3.5 x 10^4	Cocoa condensed milk condensed cream with sugar, coffee

				natural with condensed milk and sugar
		E.Coli Group (circle-shape), weight of product (g) in which no presence is allowed allowed	1,0	Milk whole and lean, condensed sugar put in consumer packaging
			0,3	Milk whole and non-fat condensed with sugar added in transport container
		Pathogenic microorganisms in including salmonella, of product (g) in which no presence is allowed allowed	25	
		Radionuclide, Bq / kg:		
		cesium-137	300	
		strontium-90	60	
2.2.2	Canned food milk of domestic production	Sampling is conducted by point method - one sample of the next five production dates		
	Milk and milk dry dairy producrts	Toxic elements:		* recalculated to the original product. In parentheses indicator for products dietary food
		lead	0,1 * (0,05)	
		cadmium	0.03 *	
		arsenic	0.05 *	
		mercury	0.005 *	
		copper	1,0 *	

		zinc	5.0 *	
		Pesticides:		
		DDT	0,1 (0,05)	
		HCCH gamma isomer	0,1 (0,05)	
		Other pesticides as in 2.1		
		Mycotoxins as in 2.1		
		Antibiotics units / g, maximum:		
		tetracycline group	not allowed	<0,01 below sensitivity method
		streptomycin	not allowed	<0,5 - "-
		penicillin	not allowed	<0,01 - "-
		mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	Dry whole cow milk extra Class
			7 x 10^4	Milk dry cow skim: for direct use
			5 x 10^4	for Industrial processing
			1 x 10^5	dry milk Cream dry and cream powder with sugar:
			1 x 10^5	High grade
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	1 x 10^5	Class
			0,1	All kinds of dry cow milk

			1,0	Ferments dry of Sublimation drying
		Radionuclide, Bq / kg:		
		cesium-137	500	
		strontium-90	100	
2.4	Cheese and products from cheese	Toxic elements:		
		lead	0,3	
		cadmium	0,2	
		arsenic	0,2	
		mercury	0,02	
		copper	4,0	
		zinc	50,0	
		Pesticides:		
		DDT	1,0	Recalculated in fat
		HCCH gamma isomer	1,25	
		hexachloran	1,25	
		Mycotoxins:		
		aflatoxin B1	<0,001	
		aflatoxin M1	<0.0005	
		Microbiological Indicators:		
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	0,01	Cheese rennet hard, soft, cheese "Russian" type
			0,001	Soft cheese dietary
		Staph. aureus, CFU in 0.01 g, not more	Not allowed	Soft cheese dietary
		Staph. aureus, CFU in 0.01 g, not more	5 x 10^2	Other cheese products from crude
		Pathogenic microorganisms in	25	

		including salmonella, weight of product (g), in which no presence is allowed Radionuclide as in 2.1		
2.4.1	Cheese and products from cheese of domestic production	Content of toxic elements pesticides, antibiotics is controlled one time per six months, content of mycotoxins - once a year; Radionuclide - once per quarter, testing for microbiological indicators is conducted once a month		
2.5	Casein technical (Acid)	Toxic elements: lead cadmium copper Physico-chemical Indicators: mass fraction of moisture %, less than for grain mass fraction moisture%, less than for ground grain free acidity volume NaOH solution per 1 g of dry substances ml, no more in grain free acidity volume in solution NaOH in 1 g of dry substances ml, no	0,3 0,2 4,0 12,0 12,0 12,0 12,0 12,0 0,57 1,02 1,70 0,57 1,02	 Grade Extra Grade 1 Grade 2 Grade Extra Grade 1 Grade Extra Grade 1 Grade 2 Grade Extra Grade 1

		more for		
		ground grain		
		index of	0,2	Grade Extra
		solubility	0,4	Grade 1
		volume of sediment in 1 g	0,8	Grade 2
		casein, ml, is		
		less than for grain		
		index of	0,2	Grade Extra
		solubility	0,4	Grade 1
		volume of sediment at 1 g		
		casein, ml., is		
		less than for		
		ground grain		
		Radionuclide,		
		Bq / kg:		
		cesium-137	100	
		strontium-90	20	
2.5.1	Casein	Toxic		
		elements:		
		lead	0,3	
		cadmium	0,2	
		copper	4,0	
		Antibiotics		
		Did. / h, maximum:		
		tetracycline	not	<0,01
		Groups	allowed	below sensitivity method
		penicillin	not	<0,01
			allowed	below sensitivity method
		streptomycin	not	<0,5
			allowed	below sensitivity method
		Microbiological		
		Indicators:		
		mesophillic aerobic bacteria count,	7.5 x 10^4	
		CFU in 1 g, max		
		E.Coli Group (circle-	0,1	
		shape), weight		
		Product (g), in		
		not		

		allowed sulfitreductive CFU in clostridium 1 g, max Pathogenic microorganisms in including salmonella, weight of product (g.) in which no presence is allowed Radionuclide, Bq / kg: cesium-137 strontium-90	 200 25 100 20	
3	Fish and fish Products			Sampling of frozen fish and fishery products (Including canned) that is produced of catch of Ukrainian vessel in neutral waters, and those received from imports is conducted by spot method - one sample from five next production dates
3.1	Fish live, fresh chilled, frozen, fillet, meat of marine	Toxic elements: lead arsenic	 1,0 2,0 1,0	 tuna, sword-fish, sturgeon freshwater

	mammals		5,0	sea
		cadmium	0,2	
		mercury	0,3	freshwater nonpredatory
			0,6	freshwater predatory
			0,5	Sea
			1,0	tuna, sword-fish, sturgeon
		Histamine:	100,0	tuna mackerel, salmon, herring
		Pesticides:		
		hexachlorocyclohexane (Alpha, Betty, gamma isomers)	0,2	sea, meat of sea animals
			0,03	freshwater
		DDT and its metabolites:	0,2	sea
			0,3	freshwater sturgeon, salmon,
			2,0	herring
			0,2	fat flesh of marine animals freshwater
		2,4-D acid, its salts and esters	not allowed	
		Radionuclide, Bq / kg:		
		cesium-137	130	
		strontium-90	100	
		Parasitologists Indicators: Living helminths and their larvae, dangerous for people	not allowed	
		Average number of	less than than 5	If in

		dead helminths and their larvae, dangerous for people	per 1 kg edible Parts of fish (Meat and gonad	edible parts of fish dead gelmits and larvae, which visiable by bear eye without magnification the product is sent to industrial processing
		Microbiological Indicators:		
3.1.1	Raw Fish and fresh fish	mesophillic aerobic bacteria count, CFU in 1 g, max	5 x 10^4	
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	0,01 g	
		Staph. aureus, weight of product (g), in which no presence is allowed	0,01	
		Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed	25	
3.1.2	Fish chilled, frozen	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^5	
		E.Coli Group (circle-shape), weight Product (g), in	0,001	

		which is allowed Staph. aureus, weight of product (g.) in which no presence is allowed Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed	 0,01 25	
3.2	Fish canned and preserves			
3.2.1	Fish canned in glass, aluminum and all- recovered container			
3.2.1.1	Fresh-water	Toxic elements: lead cadmium arsenic mercury copper zinc Histamine: Radionuclide as in in 3.1 Microbiological indicators	 1,0 0,2 1,0 0,3 10,0 40,0 100,0	Industrial sterility is declared by manufacture r
3.2.1.1	Sea	Toxic elements: lead	 1,0	

		cadmium	0,2	
		arsenic	5,0	
		mercury	0,4	
		copper	10,0	
		zinc	40,0	
		Histamine:	100,0	
		Pesticides:		
		aldrin	Not allowed	
		hexachloran	1,0	From the liver of fish
			0,2	including: sturgeon salmon, tuna
		HCCH gamma isomer	1,0	From the liver of fish
			0,2	including: sturgeon salmon, tuna
		heptachlor	Not allowed	
		2.4-D amine salt	- "-	
		DDT and its metabolites	0,4	Canned fish (Except sturgeon salmon, tuna and fish liver)
			0,2	Canned fish (Sturgeon tuna, salmon and fish liver)
		metafos	Not allowed	
		Radionuclide as in in 3.1		

3.2.1.3	Tuna	Toxic elements: lead cadmium arsenic mercury copper zinc Histamine: Pesticides by Paragraph 3.2.1.1 Radionuclide as in in 3.1	 2,0 0,2 5,0 0,7 10,0 40,0 100,0	
3.2.2	Fish canned in team tin container			
	Fresh-water	Toxic elements: lead cadmium arsenic mercury copper zinc tin Histamine: Pesticides by Paragraph 3.2.1.2 Radionuclide as in in 3.1	 1,0 0,2 1,0 0,3 10,0 40,0 200,0 100,0	
3.2.2.2	Sea	Toxic elements: lead cadmium arsenic mercury copper	 1,0 0,2 1,0 0,3 10,0	

		zinc tin Histamine: Pesticides by Paragraph 3.2.1.2 Radionuclide as in in 3.1	40,0 200,0 100,0	
3.2.2.3	Tuna	Toxic elements: lead cadmium arsenic mercury copper zinc tin Histamine: Pesticides by Paragraph 3.2.1.2 Radionuclide as in in 3.1	 2,0 0,2 5,0 0,7 10,0 40,0 200,0 100,0	
3.3	Salted fish, Smoked dried, herring, balychni products	Radionuclide as in 3.1 Parasitologists Indicators: Living and helminths their larvae, threatening people Number of inanimate helminths and their larvae dangerous for people	not allowed less than than 5 helmits per 1 kg of edible parts fish (meat and gonads)	

		Microbiological Indicators:		
		mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^3 5 x 10^3	Fish hot-smoked fish cold-smoked
		E.Coli Group (circle-shape), weight of product (g), in which is not allowed	10 1,0	Fish hot-smoked Fish cold-smoked
		Staph. aureus, weight of product (g.) in which no presence is allowed	1,0	
		Pathogenic microorganisms including salmonella weight of product (g.) in which no presence is allowed	25	
		Vibrio parahaemolyticus, CFU in 1 g, max	10	Additional indicator Used in case of bad epidemiological situation
3.4	Caviar and milt of various kinds of fish	Toxic elements:		
		lead	1,0	
		arsenic	1,0	
		cadmium	1,0	
		mercury	0,2	
		Pesticides:		
		hexachlorocyclohexane	0,2	

		(Alpha, Betty, gamma isomers)		
		DDT and its metabolites	2,0	
		Radionuclide as in in 3.1		
		Microbiological Indicators:		
3.4.1	Caviar and milt of various kinds fresh fish	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	
		E.Coli Group (circle-shape), weight of Product (g), in which is not allowed	0,001	
		Staph. aureus, weight of product (g.) in which no presence is allowed	0,01	
		Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed	25	
3.4.2	Milt salted	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^5	
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	0,1	
		Staph. aureus, weight of product	0,1	

		(g.) in which no presence is allowed Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed	25	
3.5	Liver, fish head frozen canned	mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle-shape), weight Product (g), in not allowed Staph. aureus, weight of product (g.) in which no presence is allowed Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed	1 x 10^5 0,001 0,01 25	
3.6	Seafood (Molluscs, crustaceans, invertebrates water weeds)			

	and their products processed amphibians, reptiles			
3.6.1	Mollusks, crustecious	Toxic elements: lead cadmium arsenic mercury Parasitologists Research: Helminths and their larvae dangerous people Microbiological Indicators:	 10,0 2,0 5,0 0,2 Not allowed	
3.6.2	Crustecious live	mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle- shape), weight of Product (g), in which no presence is allowed Staph. aureus, weight of product (g.) in which no presence is allowed Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product	5 x 10^4 0,01 0,01 25	

		(g.) in which no presence is allowed		
3.6.3	Shellfish chilled, frozen	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^5	
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	0,001	
		Staph. aureus, weight of product (g.) in which no presence is allowed	0,01	
		Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed	25	
3.6.4	Bivalve clams (Mussels, oysters scallops) live	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^3	Sulfitreduku yuch and clostridium in 0,1 g not not allowed Enterococcu s, in 0,1 g not not allowed
		E.Coli Group (circle-shape), weight weignt of product (g), in no presence is allowed	1,0	
		Staph. aureus, weight of product (g.) in which no presence is allowed	0,1	
		Pathogenic microorganisms in	25	

		including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed		
3.6.5	Bivalve clams (Mussels, oysters scallops) chilled, frozen	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	
		E.Coli Group (circle- shape), weight weignt of product (g), in which no presence is allowed	0,1	
		Staph. aureus, weight of product (g.) in which no presence is allowed	0,1	
		Pathogenic microorganisms in including Salmonella and L. Monocytogenes, weight of product (g.) in which no presence is allowed	25	
3.6.6	Cephalopoda clams	mesophillic aerobic bacteria count, CFU in 1 g, less than	1 x 10^5	
		E.Coli Group (circle- shape), weight weignt of product (g), in which no presence is allowed	0,001	
		Staph. aureus, weight of product (g.) in which no presence is	0,01	

			allowed		
			Pathogenic microorganisms in including Salmonella, weight weignt of product (g), in which no presence is allowed	25	
	3.7	Sea Weeds	Toxic elements:		
			lead	0,5	
			arsenic	5,0	
			cadmium	1,0	
			mercury	0,1	
			Radionuclide, Bq / kg:		
			cesium-137	200	
			strontium-90	100	
			Microbiological Indicators:		
3.7.1		Sea Weeds - raw including frozen	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	
			E.Coli Group (circle-shape) mass weignt of product (g), in not allowed	0,1	
			Pathogenic microorganisms in including Salmonella, weight weignt of product (g), in which no presence is allowed	25	
	3.8	Live fish domestic	Laboratory tests of fish from local water bodies on		

	production	indicators prescribed in this document are held twice a year from each lake during Veterinary assessment of water bodies (Veterinary sanitary certification)		
3.9	Living and chilled fish crustaceans, bivalve clams (Mussels, oysters scallops etc.) imported	Laboratory tests on indicators provided in this document, are held once per quarter, in presence of veterinary certificate and presence of producer declaration about quality and safety compliance for requirements of Ukraine. Each allotment is subject to veterinary and sanitary expertise, including organoleptic, radiological and helminthological assessment on presence of live helminthes and their larvae, dangerous for human with negative result. In case of a doubt about the quality and safety of such products test are conducted in full. During export each allotment of product is subject to veterinary and sanitary examination and radiological tests. Other testing is conducted on importer's demand		
4	Fats vegetable animal			
	Oil	Toxic elements:		

	Vegetative (Sunflower)			
		lead	0,1	
		cadmium	0,05	
		arsenic	0,1	
		mercury	0,03	
		copper	0,5	
		zinc	5,0	
		iron	5,0	
		Mycotoxins:		
		aflatoxin B1	0,005	
		zearalenone	1,0	
		Pesticides:		
		HCCH gamma isomer	1,0	For industrial processing
			over 1,0	for non-food use
			0,05	For children food
		DDT	0,1	for use
			0,25	food For industrial processing
			more than 0,25	for non-food use
			0,1	for child food
			0,05	for import
		detsis	0,05	
		karbofos	0,1	
		hlorofos	0,1	
		rtutvmisni pesticides	Not allowed	
		Acid number, mg CON less than:	0,4	For refined oil
				For

				crude and hydrated oil:
			1,5	Vichy variety
			2,25	1st Class
			6,0	2nd grade
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	20	
4.2	Products made of processed vegetable oil			
4.2.1	Margarine	Toxic elements:		
		lead	0,1	
		cadmium	0,05	
		arsenic	0,1	
		mercury	0,05	
		copper	1,0	
			0,4	During storage
		zinc	10,0	
		iron	5,0	
			1,5	During storage
		Residual quantity of mycotoxin		
		Pesticides regulated in raw material		
		Microbiological Indicators:		
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	0,001	
			0,01	For margarine intended use without heat

				treatment
		Yeast, CFU in	3	
		1 g, max	1 x 10	
		Mold, in CFU	100	
		1 g, max		
		Radionuclide,		
		Bq / kg:		
		cesium-137	100	
		strontium-90	20	
4.3	Butter of animal origin			
4.3.1	Butter cream	Toxic elements:		
		lead	0,1	
		cadmium	0,03	
		arsenic	0,1	
		mercury	0,03	
		copper	0,5	
			0,4	During storage
		zinc	5,0	
			1,5	During storage
		iron	5,0	
		Mycotoxins:		
		aflatoxin B1	<0,001	
		aflatoxin M1	<0.0005	
		Pesticides:		
		HCCH gamma isomer	0,2	
		DDT	1,0	In terms on fat
		Residual number of other Pesticides in butter are not allowed		
		Microbiological Indicators:		
		mesophillic aerobic bacteria count, CFU in 1 g,	1 x 10^4	Butter "Vologda type"
		less than	1 x 10^5	Butter unsalted and salty, "libubitelske

				type", "peasant type"
			5 x 10^5	Butter for sandwich
		E.Coli Group (circle-shape), weight of product (g), in which no presence is allowed	0,1	Butter "Vologda type"
			0,01	Butter unsalted and salt, butter "libubitelske type", "peasant type"
			0,001	butter for sandwich Butter "libubitelske type", "peasant type"
		Pathogenic microorganisms including Salmonella, weignt of product (g), in which no presence is allowed	25	All kinds of butter
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	20	
4.3.2	Fats animal	Pesticides:		
		aldrin	Not allowed	
		HCCH gamma isomer	0,2	
		haptahlor	Not allowed	
		metafos	- "-	
		hlorofos	- "-	
		Indicators		

		oxidative damage:		
		Acid number, mg CON	50	For young
			80	Adult animals
		Peroxide number	to 0,3	
		% Iodine (I)		
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	20	
4.3.3	Fat animal technical	Physico-chemical Indicators:		
		mass fraction	0,50	1, 2 varieties
		Moisture,%	1,50	3-grade
		acid number,	10,00	1 st Class
		mg KOH	25,00	2 nd grade
			not normalized	3-grade
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	20	
4.3.4	Fish oil and fat of sea mammals as treatment and prophylactic feed for animals	Indicators oxidative damage:		
		acid number, mg CON / g	4,0	
		peroxide number mmol active oxygen / kg	10,0	
		Toxic elements:		
		lead	1,0	
		arsenic	1,0	
		cadmium	0,2	

		mercury	0,3	
		Pesticides:		
		hexachlorocyclohexane (Alpha, Betty, gamma isomers)	0,1	
		DDT and its metabolites	0,2	
		Radionuclide, Bq / kg:		
		cesium-137	60	
		strontium-90	80	
5	Salt	Toxic elements:		
		lead	2,0	
		arsenic	1,0	
		cadmium	0,1	
		mercury	0,01	
		copper	3,0	
		zinc	10,0	
		Physico-chemical Indicators:		
		Humidity,%	0,1	Extra
			0,7	Top grade, 1 Grade
		Not soluble water,%, less than	0,03	Extra
			0,16	Extra
			0,45	1 Grade
			0,45	2 Grade
		Radionuclide, Bq / kg:		
		cesium-137	600	
		strontium-90	200	
6	Products Beekeeping			
6.1	Honey	Toxic elements:		
		lead	1,0	
		arsenic	0,5	
		cadmium	0,05	

		Pesticides:		
		HCCH and its isomers	<0,005	
		DDT and its metabolites	<0,005	
		Residual Many other Pesticides not allowed		
		Antibiotics		
		Did. / h, maximum:		
		tetracycline	- "-	<0,01 - "-
		streptomycin	- "-	<0,5 - "-
		Mass fraction water,%, not more	21	
		Mass fraction reduced sugars (On anhydrous substance),%, not more	82	For all types honey, but honey of white acacia and cotton
			76	For the honey from white acacia
		Diastazne number to anhydrous substance units.	7	For all types honey, but honey of white acacia and cotton
		Hote, not less	5	For the honey from white acacia
		Oksymetylfurfurol, less than	25	
		Physical objects contamination	Not allowed	
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	20	
6.2	Pollen	Pesticides:		

	floral (Obnizhka)				
		HCCH and its isomers	<0,005		
		DDT and its metabolites	<0,005		
		hlorofos	Not allowed		
		Residual Many other Pesticides not allowed			
		Mass fraction mechanical impurities,%, less than	0,1		
		Mass fraction Moisture,%	8 - 10		
		Concentration of hydrogen ions (PH) 2% aqueous solution	4,5-5,3		
		pollen, at least			
		Mass fraction crude protein, %, Min	22,0		
		Mass fraction Crude ash,%, not more	4,0		
		Mass fraction Mineral impurities,%, not more	0,6		
		Mass fraction toxic contaminants	Not allowed		
		Microbiological indicators			
		Mildew, fungi, CFU in 1 g, no more	100		
		Pathogenic microorganisms in	50		

		including Salmonella, weight weigt of product (g), in not allowed		
		Radionuclide, Bq / kg:		
		cesium-137	100	
		strontium-90	20	
7	Vegetables, including potato	Toxic elements:		
			5,0	
		lead	0,3	
		cadmium	0,5	
		arsenic	0,05	
		mercury	30,0	
		copper	50,0	
		zinc		
		Pesticides:		
		bazudyn	0,1	Cabbage,
			0,5	potato
		HCCH gamma isomer	0,1	Beetroot
		hexachloran	0,1	Beets,
		DDT and its	0,1	potato
		metabolites		- "-
				- "-
		Nitrates:	250	Potato
			900	Cabbage cabbage harves- ted (before 1 September)
			500	Cabbage cabbage late harvest
			400	Carrot early harv.
			250	Carrot late harv.
			150	Tomatoes from open air field
			300	Tomatoes from greenhouse s

			150	Cucumbers from open air field
			400	Cucumbers from greenhouses
			1400	Red Beet
			80	Onions
			600	Scallion in open air field
			800	Scallion in greenhouses
			2000	Leaf vegetables open air field
			3000	Leaf vegetables greenhouses
			90	Melons
			60	Watermelons
			200	Sweet Pepper open air field
			400	Sweet Pepper from greenhouse
			400	Zukini
			60	Grapes
			50	apples, pears Vegetables for processing to children food
		Nitrites:	10,0	
		Radionuclide,		

		Bq / kg: cesium-137 strontium-90	 40 20	
8	Mushrooms	Toxic elements: lead cadmium arsenic mercury copper zinc Pesticides: HCCH gamma isomer heptachlor karbofos Radionuclide, Bq / kg: cesium-137 strontium-90	 0,5 0,1 0,5 0,05 10,0 20,0 0,5 Not allowed 1,0 500 2500 50 250	 Fresh mushrooms Dried mushrooms Fresh mushrooms Dried mushrooms
9	Grains and legumes for forage (Wheat, corn, peas, barley)	 Physico-chemical Indicators: Mass fraction Moisture,% Pesticides: hexachlorocyclohexane	 15,0 15,0 14,0 0,5	 wheat corn peas, barley

		(Alpha, Betty, gamma isomers)		
		DDT and its metabolites	0,02	
		Toxic elements:		
		lead	5,0	
		cadmium	0,3	
		arsenic	0,5	
		mercury	0,1	
		Toxic elements:	not allowed	
		Acidity, less then:	5	
		Radionuclide, Bq / kg:		
		cesium-137	200	
		strontium-90	100	
		Pests infestation	not allowed	
		Wasty contamination %, Max		
		including damaged kernels	5,0	
		Fusarium grain	1,0	
		darnel	1,0	
		Mineral impurity (pebbles, slag, ore),%	0,5	
		Harmful impurities %, Max	1,0	
		including:		
		Smut and cones	0,1	
		Smut (Contaminated synohuzni) grains,%, not more	10,0	
9.1	Grain and legumes,	Testing of imported products and domestic		

	that are imported and exported	products is done from each of the next five allotments, provided that the product is produced by one manufacturer. When a positive result is obtained, test are conducted for each allotment. When product is exported, more tests can be conducted at the request of an importer		
10	Feeds			
10.1	Combined Feed for all species except for those not used in agriculture	Toxic elements:		
		lead	5,0	Livestock, poultry and pigs for fattening
			3,0	Small ruminants dairy animals, layers
		cadmium	0,4	Livestock, poultry and pigs for fattening
			0,3	Small ruminants dairy animals, layers
		arsenic	1,0	Livestock, poultry and pigs for fattening
			0,5	Small ruminants dairy animals, layers
		mercury	0,1	Livestock, poultry and pigs for fattening

			0,05	Small ruminant dairy animals, layers
		copper	30,0	Big and small ruminants
			80,0	Pigs, poultry
		zinc	100,0	Livestock, poultry and pigs for fattening
			50,0	Small ruminant dairy animals, layers
		Pesticides:		
		bazudin	1,2	Animals and poultry for meat
			0,2	Poultry
		HCCH gamma isomer	0,5	
		DDVF	0,3	
		DDT and its metabolites	0,05	
		karbofos	2,0	
		metafos	Not allowed	
			0,5	For animals for salaugter
		Nitrates	500	
		Nitrites	10,0	
		Acid number, mg CON	30,0	Youn animals of all species
			50,0	Adult animals of all species
		Peroxide number	0,3	
		% Iodine (I) less than		
		Mycotoxins:		

		aflatoxin B1	0,5	Lactating cows
				piglets of 2 months of age and older
			0,1	Calves and sheep
				over 4-month of age
				Animals for fattaning, sire-bulls
			0,025	Chickens
		zearalenone	Not allowed	Gilts, pregnant, sucking sows, Breeding boars, piglets under 2 months of age
			2,0	Pigs on fattening weight under 50 kg
			3,0	Pigs on fattening weight above 50 kg
		T-2 toxin	0,2	Hens laying and Broilers
			0,25	Calves and cattle on fattening
		dezoksynivalenol	1,0	All kinds of animals
		Toxicity	Not	

			allowed	
		Microbiological Indicators:		
		Salmonella	Not allowed	
		Enteropathogenic strains of Escherichia coli (E.coli)	Not allowed	
		Toxic anaerobes	- "-	
		Tests on compliance to recepies on contents of vitamins A, E, B1, B2, calcium, phosphorus, crude protein, crude fat, crude fiber, energy exchange		
		Radionuclide, Bq / kg:		
		cesium-137	600	
		strontium-90	100	
10.1.1	Feed for productive animals imported and exported	Tests of imported and domestically produced product is conducted from each of the next five alotments, provided that the product is produced by one manufacturer. When a positive test results is yielded tests are conducted on each allotment. When product is destined for export, more tests are conducted on request of an importer		
10.2	Feed animals not used for ag. production	Toxic elements:		
		lead	4,0	
		cadmium	0,5	All feed on except feed

				for dogs and cats
			1,0	Dog Food and cats
		arsenic	2,0	All feed on except feed for aquarium Fish
			3,0	Feed aquarium fish
		mercury	0,1	All feed on except feed for dogs and cats
			0,4	Dog Food and cats
		copper	80,0	
		zinc	250,0	
		Pesticides:		
		DDT (total DDT, DDD, DDE)	0,05	
		HCCH and its isomers	0,2	
		Nitrates:	100,0	
		Nitrites:	10,0	
		Acid number, mg KOH:	30,0	
		Peroxide number % Iodine (I)	0,3	
		Mycotoxins:		
		aflatoxin B1	0,01	
		Toxicity:	Not allowed	
		Microbiological Indicators:		
		Total bacterial contamination, thousands of microbial bodies in 1 g	Industrial sterility is declared by manufacturer	Canned feed
			less than	Dry feed

			500	
		Salmonella in 25 g	Not allowed	
		Enterobacteria in 1 g	less than 300 colonies providing no presence of entero-pathogenic E. Colie	
		Toksynotvorni anaerobes	Not allowed	
		Radionuclide, Bq / kg:		
		cesium-137	600	
		strontium-90	100	
		Tests on compliance to recipe for raw protein content, raw fat, calcium, inorganic phosphorus, exchanganble energy vitamins A and E, B1, B2		
10.2.1	Feed for animals not used for agricultural production imported and exported	Tests and sampling of imported and domestically produced product is carried out with each of the next five allotments provided that the products is made by one manufacturer and have the same name. In case of positive test results the testing of each allotment is conducted. When products are destined for export, more research are conducted at the request of an importer.		

10.3	Meat and Bone meal of animal origin (Meat and bone, meat, bone, protein meal of animal and plant origin)	Toxic elements:		
		lead	5,0	
		cadmium	0,3	
		mercury	0,1	
		arsenic	1,0	
		copper	80,0	
		zinc	100,0	
		chrome	2,0	
		Pesticides:		
		DDT and its metabolites	0,05	
		HCCH and its isomers	0,2	
		Nitrates:	100,0	
		Nitrites:	10,0	
		Acid number, mg CON	30	For young animals of all kinds
			50	Adult animals
		Peroxide number % Iodine (I) no more than	0,3	
		Microbiological Indicators:		
		Total bacteria contamination thousands of microbial bodies in 1 g	less than 500	
		Salmonella	Not allowed	
		Enteropathogenic strains of Escherichia coli (E. coli)	- "-	
		Toxin producing anaerobes	- "-	
		Radionuclide, Bq / kg:		

		cesium-134, 137	600	
		strontium-90	100	
10.4	Fishmeal	Toxic elements:		
		lead	5,0	
		cadmium	0,3	
		mercury	0,3	
		arsenic	1,0	
		copper	30,0	
		zinc	50,0	
		Pesticides:		
		DDT and its metabolites	0,05	
		HCCH and its isomers	0,2	
		Nitrates:	250,0	
		Nitrites:	10,0	
		Acid number, mg CON	30	For young animals of all kinds
			50	Adult animals
		Peroxide number	0,3	
		% Iodine (I) not more		
		Microbiological Indicators:		
		Total Bacterial contamination, thousands of microbes in 1 g	less than 500	
		Salmonella	Not allowed	
		Enteropathogenic strains of Escherichia coli (E. coli)	- "-	
		Toxin producing	- "-	

		anaerobes Radionuclide, Bq / kg: cesium-137 strontium-90	 600 100	
10.5	Premixes	Toxic elements: lead cadmium mercury arsenic copper zinc Microbiological Indicators:	 5,0 3,0 0,4 0,3 0,1 0,05 1,0 0,5 30,0 80,0 100,0 50,0	 Livestock, broilers pigs Petit ruminants dairy cattle, layers Livestock, broilers pigs Petit ruminants dairy cattle, layers Livestock, broilers pigs Petit ruminants dairy cattle, layers Livestock, broilers pigs Petit ruminants dairy cattle, layers Livestock and petit ruminants Pigs, poultry Livestock, broilers pigs Petit ruminants dairy cattle, layers

		Total Bacterial contamination, thousands of microbes in 1 g Salmonella Enteropathogenic strains of Escherichia coli (E. coli) Toxin producing anaerobes Radionuclide, Bq / kg: cesium-137 strontium-90 Tests on compliance with recipe: on vitamins A, E, B1, B2, calcium, phosphorus, manganese, iron, cobalt content	less than 500 Not allowed - "- - "- 600 100	
10.5.1	Premixes that are imported and exported	Sampling and testing of imported and domestically produced products is carried out with each of the next five alotments, provided that the product is made by one manufacturer and has the same name. If positive test results are received additional tests of each allotment are conducted. If products are destined for export, additional research are conducted at the request of an importer		
11	Vitamins	Test on compliance with recipe Tests on		

		harmlessness		
12	Soy cake and meal			If soy raw material istеststed on compliance with indicators provided in Paragraph 9, and provided that location of processing, storage and loading is under state veterinary-sanitary control and supervision, than tests of such products are conducted no later than 10 days before loading
		Mycotoxins:		
		aflatoxin B1	0,025 0,005	Soy meal soybean cake
		T-2 toxin	0,1	
		zearalenone	1,0 Not allowed	Soy meal soybean cake
		Urease:	0,1-0,2 0,1-0,3	Soy meal soybean cake
		Radionuclide, Bq / kg:		
		cesium-137	600	
		strontium-90	100	
13	Sunflower meal			

	and cake			
		Toxic elements:		
		lead	1,5	
		cadmium	0,5	
		arsenic	0,3	
		mercury	0,3	
		copper	70,0	
		zinc	150,0	
		Pesticides:		
		HCCH gamma isomer	0,5	
		DDT	0,125	
		Mycotoxins:		
		aflatoxin B1	0,005	
		zearalenone	1,0	
		Toxicity:	not allowed	
		Radionuclide, Bq / kg:		
		cesium-137	600	
		strontium-90	100	
13.1	Soybean and sunflower meal and cake for import and export	Testing of imported and domestically produced products are carried out with each of the next five allotments, provided that the products are made by one manufacturer and have the same name. If positive test resluts are yielded then test of each allotment is conducted. If the products is destined for export, then additional tests are conducted at the request of an importer		
	Salt Feed	Toxic elements:		
		lead	2,0	
		cadmium	0,1	
		arsenic	1,0	
		mercury	0,01	
		copper	3,0	

		zinc	10,0	
		Humidity,%, not more	5,0	For sulfate salt
			0,5	For the regular salt
		Fluoride,%, less than	1 x 10^4	
		Insoluble in Hydrochloric Acid substance,%, less than	1,0	For sulfate salt
			0,5	For the regular salt
15	Feed roots	Toxic elements:		
		lead	5,0	
		cadmium	0,3	
		arsenic	0,5	
		mercury	0,05	
		copper	30,0	
		zinc	50,0	
		Pesticides:		
		HCCH gamma isomer	0,5	
		DDT and its metabolites	0,05	
		Nitrates:	1500,0	Treacle
			800,0	Dry sugar beet pulp
			1000,0	Roughage (Hay, straw)
			500,0	Green feed
			500,0	Silage, haylage
			2000,0	Fodder beet
			300,0	Potato
		Nitrites:	10,0	
16	Guts of swine,	Color	Of light	Allowed gray and

				dark
	livestock etc.		pink to light gray	gray
		Rust	Not allowed	
		Rubella	- "-	Allowed individual spots that are not merged
		Mold	- "-	
		Pathological defects (tumors, adhesions, infiltrates, helminthes)	- "-	
		Radionuclide, Bq / kg		
		cesium-137	100	
		strontium-90	20	
17	Tanned tibia joint	Toxic elements as in Pargraph 1.1		
		Pesticides:		
		hexachlorocyclohexane (Alpha, Betty, gamma isomers)	0,1	
		DDT and its metabolites	0,1	
		heptachlor	Not allowed	
		Radionuclide, Bq / kg		
		cesium-137	200	
		strontium-90	20	
18	Feathers of chicken geese, wool, leather, etc.	Pesticides:		
		hlorofos	Not allowed	

		DDT and its metabolites	0,1	
		Radionuclide, Bq / kg:		
		cesium-137	600	
		strontium-90	200	
19	Other Products			
19.1	Isolates, concentrates, hydrolysates and texturates of plant proteins; nutritional meal and flour with different fat content of seeds of legumes, oil and alternative crops	Toxic elements:		
		lead	1,0	
		arsenic	1,0	
		cadmium	0,2	
		mercury	0,03	
		Mycotoxins:		
		aflatoxin B1	0,005	
			0,7	of wheat
		dezoksynivalenol	1,0	of barley
		zearalenone	1,0	of wheat
				barley
				corn
		Pesticides:		
		hexachlorocyclohexane (Alpha, Betty, gamma isomers)	0,5	of grain
				corn legumes (except soybean) of sunflower and Peanut
			0,4	of flax, mustard, rapeseed
			0,2	of soy, cotton
		DDT and its metabolites	0,15	of sunflower and peanut
			0,1	of flax, mustard, rapeseed
			0,05	of legumes, cotton
				corn
			0,02	of grains

		Radionuclide, Bq / kg: cesium-137 strontium-90 Microbiological Indicators:	 80 100	
19.1.1	Isolates, concentrates of plant proteins, soy flour	mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle-shape) Product weight (g) which not allowed Staph. aureus, weight of weight of product (g), in which no presence is allowed Pathogenic microorganisms including Salmonella, weight of product (g), in which no presence is allowed sulfitreductive clostridium, weight of product (g), in which no presence is allowed	5 x 10^4 0,1 0,1 25 0,1	
19.1.2	Hydrolyzate protein, fermented of soybean raw material	mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle-shape) Product weight (g)	1 x 10^3 1,0	

		which not allowed		
		Pathogenic microorganisms in including Salmonella, weight of product (g), in which no presence is allowed	25	
19.1.3	Nutritional protein concentrate of sunflower	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	
		E.Coli Group (circle-shape)	0,1	
		Product weight (g) in which no presence is allowed		
		Pathogenic microorganisms including Salmonella, weight of product (g), in which no presence is allowed	25	
19.1.4	Caseinate Food	mesophillic aerobic bacteria count, CFU in 1 g, less than	5 x 10^4	
		E.Coli Group (circle-shape)	0,1	
		Product weight (g), in which no presence is allowed		
		Pathogenic microorganisms including Salmonella, weight of product (g), in which no presence is allowed	25	
		sulfitreductive klostridium, weight of product (g), in which no presence is	Not allowed	

		allowed		
19.1.5	Nutritive whey concentrate	mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle-shape) Product weight (g) in which no presence is allowed Staph. aureus, weight of product (g), in which no presence is allowed Pathogenic microorganisms including Salmonella, weignt of product (g), in which no presence is allowed	5 x 10^4 1,0 0,1 25	
19.1.6	Concentrate of albumin and casein	mesophillic aerobic bacteria count, CFU in 1 g, less than E.Coli Group (circle-shape) Product weight (g) in which no presence is allowed Staph. aureus, weight of product (g), in which no presence is allowed Pathogenic microorganisms including Salmonella, weignt of product (g), in which no presence is allowed	2.5 x 10^3 1,0 0,1 25	
19.2	Concentrates	Toxic elements:		

	of milk proteins casein, caseinates, hydrolysates of milk protein	lead arsenic cadmium mercury Mycotoxins: aflatoxin B1 Pesticides: hexachlorocyclohexane (Alpha, Betty, gamma isomers) DDT and its metabolites	0,3 1,0 0,2 0,03 0,0005 1,25 1,0	 In fat equivalent In fat equivalent
19.3	Concentrates of blood proteins (Dry concentrate of plasma, serum, feed albumin)	Toxic elements: lead arsenic cadmium mercury Radionuclide, Bq / kg: cesium - 137 strontium - 90	 1,0 1,0 0,1 0,03 300 80	