ANNEX #5 to

Technical Regulation of the
Customs Union
"On the Safety of Meat Products"
(CU TR ___/2013)

Maximum Residual Levels (MRLs) of Veterinary (Zootechnical) Preparations, Animal Growth Promoters (including Hormonal Products) and Drugs (including Antibiotics) in Slaughter Products Controlled pursuant to Information on their Use*

Table 1

Maximum Residual Levels (MRLs) of Anti-microbial Agents

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
1. Apramicin (aminoglycosides)	All species of productive animals	meat crude fat liver kidneys	1 1 10 20	
2. Gentamycin (aminoglycosides)	All species of productive animals	meat crude fat liver kidneys	0.05 0.05 0.2 0.75	
3. Kanamycin (aminoglycosides)	All species of productive animals	meat crude fat liver kidneys	0.1 0.1 0.6 2.5	
4. Neomycin (aminoglycosides)	All species of productive animals	meat crude fat kidneys liver	0.5 0.5 5 0.5	включая фрамицетин
5. Paromomycin (aminoglycosides)	All species of productive animals	meat liver and kidneys	0.5 1.5	
6. Spectinomycin (aminoglycosides)	All species of productive animals, except sheep	crude fat meat kidneys beef liver	0.5 0.3 5 1	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
	Sheep	crude fat	0.5	
		meat	0.3	
		kidneys	5	
		liver	2	
7. Streptomicin/ dihidrostreptomicin (aminoglycosides)	All species of productive animals	meat	0.5	
		crude fat	0.5	
		liver	0.5	
		kidneys	1	
8. Ceftiofur (cephalosporins)	All species of productive animals	meat	1	Sum of all residues containing β-lactamic structure expressed as Desfuroil/Ceftiofur
		crude fat	2	
		kidneys	6	
		liver	2	
9. Cefalexin (cephalosporins)	cattle	meat	0.2	
		crude fat	0.2	
		kidneys	1	
		liver	0.2	
10. Cefapirin (cephalosporins)	cattle	meat	0.05	Sum of Cefapirin and Desacetylcefapirin
		crude fat	0.05	
		kidneys	0.1	
11. Cefquinome (cephalosporins)	Cattle, hogs, horses	meat	0.05	
		pork fat with skin	0.05	
		crude fat	0.05	
		liver	0.1	
		kidneys	0.2	
12. All substances of sulfanilamide group (sulfanilamides)	All species of productive animals	meat	0.1	Sum of all residues from this group should not exceed MRL
		crude fat	0.1	
		kidneys	0.1	
		liver	0.1	
13. Baquiloprim (diaminopyrimidine derivatives)	cattle	crude fat	0.01	
		liver	0.3	
		kidneys	0.15	
	hogs	pork fat with skin	0.04	
		liver	0.05	
		kidneys	0.05	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
14. Trimethoprim (diaminopyrimidine derivatives)	All species of productive animals, except horses	meat	0.05	
		crude fat	0.05	
		kidneys	0.05	
		liver	0.05	
	horses	meat	0.1	
		crude fat	0.1	
		kidneys	0.1	
		liver	0.1	
15. Clavulanic acid (beta-lactamase inhibitors)	cattle, hogs	meat	0.1	
		crude fat (for hogs – pork fat with skin)	0.1	
		liver	0.2	
		kidneys	0.4	
16. Lincomicin/ Clindamicin (lincosamides)	All species of productive animals	meat	0.1	
		crude fat (for hogs – pork fat with skin	0.1	
		liver	0.2	
		kidneys	0.4	
17. Pirlimycin (lincosamides)	All species of productive animals	meat	0.1	
		liver	1	
		kidneys	0.4	
18. Thiamphenicol	All species of productive animals	meat	0.05	As a sum of Thiamphenicol and Thiamphenicol conjugates calculated per Thiamphenicol
		liver	0.05	
		kidneys	0.05	
		crude fat (for hogs – pork fat with skin)	0.05	
19. Florfenicol (florfenicols)	Cattle and small ruminants	meat	0.2	Sum of Florfenicol and its metabolites in the form of Florfenicolamine
		liver	3	
		crude fat	0.2	
		kidneys	0.3	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
	Hogs	meat	0.3	
		liver	2	
	Other species of productive animals	meat	0.1	
		crude fat	0.2	
		liver	2	
		kidneys	0.3	
20. Flumequine (quinolones)	Cattle and small ruminants	meat	0.2	
		liver	0.5	
		crude fat	1.5	
		kidneys	0.3	
	Other species of productive animals	meat	0.2	
		crude fat	0.5	
		liver	1	
		kidneys	0.25	
21. Ciprofloxacin/ Enrofloxacin/ Pefloxacin/ Ofloxacin/ Norfloxacin	All species of productive animals	meat	0.1	Sum of fluoroquinolones
		crude fat (for hogs – pork fat with skin)	0.1	
	small ruminants	liver	0.3	
		kidneys	0.2	
	Hogs and rabbits	liver	0.2	
		kidneys	0.3	
22. Danofloxacin (quinolones)	Cattle and small ruminants	meat	0.2	
		liver	0.4	
		kidneys	0.4	
		crude fat	0.1	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
	Other species of productive animals	meat	0.1	
		liver	0.2	
		kidneys	0.2	
		crude fat for hogs – pork fat with skin)	0.05	
23. Difloxacin (quinolones)	Cattle and small ruminants	meat	0.4	
		liver	1.4	
		kidneys	0.8	
		crude fat	0.1	
	Hogs	meat	0.4	
		liver	0.8	
		kidneys	0.8	
		pork fat with skin	0.1	
	Other species of productive animals	meat	0.3	
		liver	0.8	
		kidneys	0.6	
		crude fat	0.1	
24. Marbofloxacin (quinolones)	Cattle, hogs	meat	0.15	
		crude fat (for hogs – pork fat with skin)	0.05	
		liver	0.15	
		kidneys	0.15	
25. Oxolinic acid (quinolones)	All species of productive animals	meat	0.1	
		liver	0.15	
		kidneys	0.15	
		crude fat (for hogs – pork fat with skin)	0.05	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
26. Erythromycin (macrolides)	All species of productive animals	meat	0.2	
		liver	0.2	
		kidneys	0.2	
		crude fat (for hogs – pork fat with skin)	0.2	
27. Spiramycin (macrolides)	Cattle	meat	0.2	Sum of Spiramycin and Neospiramycin
		crude fat	0.3	
		liver	0.3	
		kidneys	0.3	
	Hogs	meat	0.25	Equivalents of Spiramycin (residues with antimicrobial activity)
		liver	2	
		kidneys	1	
		шпик	0.3	
28. Tilmicosin (macrolides)	All species of productive animals	meat	0.05	
		liver	1	
		kidneys	1	
		crude fat (для свиней – шпик со шкурой)	0.05	
29. Tylosin (macrolides)	All species of productive animals	meat	0.1	As Tylosin A
		liver	0.1	
		kidneys	0.1	
		crude fat (for hogs – pork fat with skin)	0.1	
30. Tylvalosin (macrolides)	Hogs	meat	0.05	Sum of Tylvalosin and 3-O-acetyltylosin
		шпик со шкурой	0.05	
		liver	0.05	
		kidneys	0.05	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
31. Tulathromycin (macrolides)	Cattle	crude fat	0.1	(2R,3S,4R,5R,8R, 10R,11R,12S,13S, 14R)-2-ethyl-3,4,10,13-tetrahydroxy-3,5,8,10,12,14-hexamethyl-11-[[3,4-6-tri-deoxy-3-(demethylamino)-beta-D-xylo-hexopyranosyl] oxy]-1-oxa-6-azacyclo-pentdecan 15-prim, expressed as the equivalents of Tulathromycin
		liver	3	
	Hogs	kidneys	3	
		шпик со шкурой	0.1	
		liver	3	
		kidneys	3	
32. Tiamulin (pleuromutilins)	Hogs and rabbits	meat	0.1	Sum of metabolites which can be hydrolysed into 8-b-hydroxymutilin
		liver	0.5	
33. Valnemulin (pleuromutilins)	Hogs	meat	0.05	
		liver	0.5	
		kidneys	0.1	
34. Rifaximin/ rifampicin (ansamycines)	All species of productive animals	meat		Rifaximin
35. Colistin (polymyxins)	All species of productive animals	meat	0.15	
		crude fat (for hogs – pork fat with skin)	0.15	
		liver	0.15	
		kidneys	0.2	
36. Bacitracin (polypeptides)	rabbits	meat	0.15	Sum of bacitracins A, B, C, including those in the form of zinc-bacitracin
		crude fat	0.15	
		liver	0.15	
		kidneys	0.15	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
37. Avilamycin (orthozomycins)	Hogs and rabbits	meat crude fat liver kidneys	0.05 0.1 0.3 0.2	Dichloroiso-evernic acid
38. Monensin (ionophores)	Cattle	meat crude fat liver kidneys	0.002 0.01 0.03 0.002	Monensin A
	Other species of productive animals	liver other slaughter products	0.008 0.002	
39. Lasalocid (ionophores)	All species of productive animals	liver kidneys other slaughter products	0.05 0.05 0.005	Sodium Lasalocid
40. Nitrofurans (including furazolidone)	All species of productive animals	meat crude fat (for hogs – pork fat with skin) liver kidneys	< 0.1 < 0.1 < 0.1 < 0.1	Not allowed in products of animal origin at the level of determination of methods
41. Metronidazole/ dimetridazole/ ronidazole/dapsone/ clotrimazole/ aminitrizole	All species of productive animals	meat crude fat (for hogs – pork fat with skin) liver kidneys	< 0.1 < 0.1 < 0.1 < 0.1	Not allowed in products of animal origin at the level of determination of methods
42. Flavomycin (streptothricins)	All species of productive animals	meat liver kidneys crude fat	0.7 0.7 0.7 0.7	
43. Doxiciclin (tetracyclines)	cattle	meat liver	0.1 0.3	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
		kidneys	0.6	
	hogs	meat	0.1	
		pork fat with skin	0.3	
		liver	0.3	
		kidneys	0.6	
44. Benzylpenicillin/ penethamate (penicillins)	All species of productive animals	meat	0.05	
		crude fat (for hogs – pork fat with skin)	0.05	
		liver	0.05	
		kidneys	0.05	
45. Ampicillin (penicillins)	All species of productive animals	meat	0.05	
		crude fat	0.05	
		liver	0.05	
		kidneys	0.05	
46. Amoxicillin (penicillins)	All species of productive animals	meat	0.05	
		crude fat	0.05	
		liver	0.05	
		kidneys	0.05	
47. Cloxacillin (penicillins)	All species of productive animals	meat	0.3	
		crude fat	0.3	
		liver	0.3	
		kidneys	0.3	
48. Dicloxacillin (penicillins)	All species of productive animals	meat	0.3	
		crude fat	0.3	
		liver	0.3	
		kidneys	0.3	
49. Nafcillin (penicillins)	All species of productive animals, except hogs and horses	meat	0.3	
		crude fat	0.3	
		liver	0.3	
		kidneys	0.3	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
50. Oxacillin (penicillins)	All species of productive animals	meat crude fat liver kidneys	0.3 0.3 0.3 0.3	
51. Phenoximethylpenicillin (penicillins)	Hogs	meat liver kidneys	0.25 0.25 0.25	

Table 2

Maximum Residue Levels of Anti-protozoa Agents

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
1. Diclazuril	Sheep and rabbits	meat liver kidneys crude fat	0.5 3 2 1	As Diclazuril
	Other species of productive animals	liver kidneys other slaughter products	0.04 0.04 0.005	
2. Imidocarb	cattle	meat crude fat liver kidneys	0.3 0.05 2 1.5	As Imidocarb
	sheep	meat crude fat liver kidneys	0.3 0.05 2 1.5	
3. Toltrazuril	All species of productive animals	meat crude fat liver kidneys	0.1 0.15 0.5 0.25	Toltrazuril sulfon
4. Nicarbazin	Other species of productive animals	liver kidneys other slaughter	0.1 0.1	As N, N'- bis (4-nitrophenyl) urea

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
		products	0.025	
5. Robenidine	All species of productive animals	liver	0.05	Robenidine hydrochloride
		kidneys	0.05	
		crude fat (for hogs – pork fat with skin)	0.05	
		other slaughter products	0.005	
6. Semduramicin	All species of productive animals	All types of slaughter products	0.002	
7. Narasin	All species of productive animals	liver	0.05	
		other products	0.005	
8. Maduramicin	All species of productive animals	All types of slaughter products	0.002	
9. Salinomycin	All species of productive animals, except rabbits for fattening	Liver (except rabbit liver)	0.005	salinomycin sodium
		Other slaughter products	0.002	
10. Halofuginone	All species of productive animals, except cattle	meat	0.01	
		crude fat (for hogs – pork fat with skin)	0.025	
		liver	0.03	
		kidneys	0.03	
		other slaughter products	0.003	
11. Decoquinate	All species of productive	All types of slaughter	0.02	

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
	animals, except cattle and small ruminants	products		

Table 3

Maximum Residual Levels (MRLs) of Insecticides

Name of agent	Productive animal species	Product name	MRL (mg/kg, no more than)	Notes
1	2	3	4	5
Amitraz	cattle	crude fat	0.2	Sum of Amitraz and all
		liver	0.2	metabolites containing
	sheep	kidneys	0.2	2,4-dimethoxyampheta mine
		crude fat	0.4	dimethoxyamphetamin
		liver	0.1	e (2,4-DMA)group
		kidneys	0.2	expressed as Amitraz
	goats			
		crude fat	0.2	
		liver	0.1	
		kidneys	0.2	
	hogs			
		crude fat	0.4	
		liver	0.2	
		kidneys	0.2	

[*] Control (except Levomycetin (chloramphenicol), tetracyclines and bacitracin) is conducted on the basis of information on their use provided by the manufacturer (vendor) of slaughter products at the time when they are imported into the customs territory of the Customs Union.