

**NÍVEIS MÁXIMOS DE RESÍDUOS (MRLS) DE PRODUTOS DE USO VETERINÁRIO, PROMOTORES DE CRESCIMENTO (INCLUINDO PRODUTOS HORMONAIS) E MEDICAMENTOS (INCLUINDO ANTIBIÓTICOS) EM CARNES E PRODUTOS CÁRNEOS**

TECHNICAL REGULATION of the Customs Union “On the Safety of Meat and Meat Products”  
(CU TR 034/2013 - ANEXO 5) ADOPTED BY Resolution No. 68 of the Eurasian Economic Commission Council dated October 9, 2013

TABLE 1 - ANTI-MICROBIAL AGENTS				
Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
1. Apramicin (aminoglycosides)	All species of productive animals	meat	1	
		crude fat	1	
		liver	10	
		kidneys	20	
2. Gentamycin (aminoglycosides)	All species of productive animals	meat	0.05	
		crude fat	0.05	
		liver	0.2	
		kidneys	0.75	
3. Kanamycin (aminoglycosides)	All species of productive animals	meat	0.1	
		crude fat	0.1	
		liver	0.6	
		kidneys	2.5	
4. Neomycin (aminoglycosides)	All species of productive animals	meat	0.5	including framycetin
		crude fat	0.5	
		liver	5	
		kidneys	0.5	
5. Paromomycin (aminoglycosides)	All species of productive animals	meat	0.5	
		liver and kidneys	1.5	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
6. Spectinomycin (aminoglycosides)	All species of productive animals, except sheep	crude fat	0.5	
		meat	0.3	
		kidneys	5	
		beef liver	1	
	Sheep	crude fat	0.5	
		meat	0.3	
		kidneys	5	
		liver	2	
7. Streptomycin/ dihidroestreptomicin (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 $\beta$ -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	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
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	
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. Lincomycin/ 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	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas	
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		
	Hogs	meat	0.3		
		liver	2		
	Other species of productive animals	meat	0.1		
	Other species of productive animals	crude fat	0.2		Sum of Florfenicol and its metabolites in the form of Florfenicolamine
		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		

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
21. Ciprofloxacina/ Enrofloxacina/ Pefloxacina/ Ofloxacina/ Norfloxacina	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. Danofloxacina (quinolonas)	Cattle and small ruminants	meat	0.2	
		liver	0.4	
		kidneys	0.4	
		crude fat	0.1	
	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. Difloxacina (quinolonas)	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. Marbofloxacina (quinolonas)	Cattle, hogs	meat	0.15	
		crude fat (for hogs – pork fat with skin)	0.05	
		liver	0.15	
		kidneys	0.15	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
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	
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	
		crude fat	0.3	
28. Tilmicosin (macrolides)	All species of productive animals	meat	0.05	
		liver	1	
		kidneys	1	
		crude fat (for hogs – pork fat with skin)	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	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
30. Tylvalosin (macrolides)	Hogs	meat	0.05	Sum of Tylvalosin and 3-O-acetyltylosin
		pork fat with skin	0.05	
		liver	0.05	
		kidneys	0.05	
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-trideoxy-3-(demethylamino)-beta-D-xylohexopyranosyl]oxy]-1-oxa-6-azacyclopentdecane-15-prim, expressed as the equivalents of Tulathromycin
		Liver	3	
	kidneys	3		
	Hogs	pork fat with skin	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	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
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	
37. Avilamycin (orthozomycins)	Hogs and rabbits	meat	0.05	Dichloroiso-evernic acid
		crude fat	0.1	
		liver	0.3	
		kidneys	0.2	
38. Monensin (ionophores)	Cattle	meat	0.002	Monensin A
		crude fat	0.01	
		liver	0.03	
		kidneys	0.002	
	Other species of productive animals	liver	0.008	
		other slaughter products	0.002	
39. Lasalocid (ionophores)	All species of productive animals	liver	0.05	Sodium Lasalocid
		kidneys	0.05	
		other slaughter products	0.005	
40. Nitrofurans (including furazolidone)	All species of productive animals	meat	< 0.1	Not allowed in products of animal origin at the level of determination of methods
		crude fat (for hogs – pork fat with skin)	< 0.1	
		liver	< 0.1	
		kidneys	< 0.1	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
41. Metronidazole/ dimetridazole/ ronidazole/dapsone/ clotrimazole/ aminitrizole	All species of productive animals	meat	< 0.1	Not allowed in products of animal origin at the level of determination of methods
		crude fat (for hogs – pork fat with skin)	< 0.1	
		liver	< 0.1	
		kidneys	< 0.1	
42. Flavomycin (streptothricins)	All species of productive animals	meat	0.7	
		liver	0.7	
		kidneys	0.7	
		crude fat	0.7	
43. Doxiciclin (tetracyclines)	cattle	meat	0.1	
		liver	0.3	
		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	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
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	
50. Oxacillin (penicillins)	All species of productive animals	meat	0.3	
		crude fat	0.3	
		liver	0.3	
		kidneys	0.3	
51. Phenoximethylpenicillin (penicillins)	Hogs	meat	0.25	
		liver	0.25	
		kidneys	0.25	

**TABLE 2 - ANTI-PROTOZOA AGENTS**

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
1. Diclazuril	Sheep and rabbits	meat	0.5	As Diclazuril
		liver	3	
		kidneys	2	
		crude fat	1	
	Other species of productive animals	liver	0.04	
		kidneys	0.04	
other slaughter products		0.005		
2. Imidocarb	cattle	meat	0.3	As Imidocarb
		crude fat	0.05	
		liver	2	
		kidneys	1.5	
	sheep	meat	0.3	
		crude fat	0.05	
		liver	2	
		kidneys	1.5	
3. Toltrazuril	All species of productive animals	meat	0.1	Toltrazuril sulfon
		crude fat	0.15	
		liver	0.5	
		kidneys	0.25	
		kidneys	0.25	
4. Nicarbazin	Other species of productive animals	liver	0.1	As N, N'- bis (4-nitrophenyl) urea
		kidneys	0.1	
		other slaughter 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	

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
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 animals, except cattle and small ruminants	All types of slaughter products	0.02	

**TABLE 3 - INSECTICIDES**

Nome do agente	Espécie pecuária	Nome do produto	MRL (mg/kg, não mais de)	Notas
Amitraz	cattle	crude fat	0.2	Sum of Amitraz and all metabolites containing 2,4-dimethoxyamphetamine dimethoxyamphetamine (2,4-DMA) group expressed as Amitraz
		liver	0.2	
		kidneys	0.2	
	sheep	crude fat	0.4	
		liver	0.1	
		kidneys	0.2	
	goats	crude fat	0.2	
		liver	0.1	
		kidneys	0.2	
	hogs	crude fat	0.4	
		liver	0.2	
		kidneys	0.2	