

Veterinary Drugs Directorate			
Table 1. Administrative Maximum Residue Limits (AMRLs) and Maximum Residue Limits (MRLs) Set by Canada			
Drug	Species/Tissues	MRL ppm* (* - AMRLs)	Marker Residue/ Target Tissue
Albendazole	Cattle Muscle	0.05*	Albendazole 2-aminosulfone / Liver
	Cattle Liver	0.2	
	Cattle Kidney	0.5*	
	Cattle Fat	0.1*	
Altrenogest	Swine Liver	0.001*	Altrenogest/Liver
	Swine Kidney	0.002*	
Amoxicillin	Swine Edible tissue	0.01*	Amoxicillin/Edible tissue
	Chickens Edible tissue	0.01*	
Ampicillin	Cattle and swine Edible tissue	0.01	Ampicillin/Edible tissue
	Milk	0.01	
Amprolium	Cattle Muscle, liver and kidney	0.5*	Amprolium/ Edible tissue in cattle/Liver and kidney in chickens and turkeys
	Cattle Fat	2.0*	
	Chickens and turkeys Muscle	0.5	
	Chickens and turkeys Liver and kidney	1.0	
	Eggs	7.0	
Apramycin	Swine Kidney	0.1	Apramycin/Kidney
Arsanilic acid	Chickens and turkeys Muscle	0.5	Arsenic/Liver
	Chickens and turkeys Liver	2.0	
	Eggs	0.5	
	Swine Muscle	0.5	
	Swine Liver	2.0	
Bacitracin	Chickens, turkeys and swine Edible tissue	0.5*	Sum of Bacitracin A, B, and C (parent compound)/ Edible tissue
Buquinolate	Chickens Muscle	0.1	Buquinolate/Liver, kidney, skin and fat
	Chickens Liver, kidney, skin and fat	0.4	
Ceftiofur	Milk	0.1	Desfuroyl-ceftiofur (DFC)/Kidney
	Cattle, swine and sheep Muscle	1.0	
	Cattle, swine and sheep Liver and fat	2.0	
	Swine Kidney	5.0	
	Cattle and sheep Kidney	6.0	
Cephapirin	Cattle Edible tissue	0.1	Cephapirin/Edible tissue

	Milk	0.02	
Chlortetracycline	Cattle, swine, sheep, chickens and turkeys Muscle	0.2*	Chlortetracycline/ Edible tissue
	Cattle, swine, sheep, chickens and turkeys Liver	0.6*	
	Cattle, swine, sheep, chickens and turkeys Kidney	1.2*	
	Milk	0.1*	
	Eggs	0.4*	
Clopidol	Chickens and turkeys Muscle	5.0	Clopidol/Liver and kidney
	Chickens and turkeys Liver and kidney	15.0	
Cloxacillin	Cattle Edible tissue	0.01*	Cloxacillin/Liver
Danofloxacin	Cattle Muscle	0.07*	Danofloxacin/Liver
	Cattle Liver	0.07*	
	Cattle Kidney	0.4*	
Decoquinatate	Chickens Muscle	1.0	Decoquinatate/Kidney, liver, skin and fat
	Chickens Kidney, liver, skin and fat	2.0	
	Cattle and goats Muscle	1.0	
	Cattle and goats Kidney, liver and fat	2.0	
Dichlorvos	Swine muscle, liver, kidney, skin/fat	0.05*	Dichlorvos/Liver
Diclazuril	Chickens and turkeys Muscle	0.5	Diclazuril/Liver
	Chickens and turkeys Liver	3.0	
	Chickens and turkeys Skin and fat	1.0	
Dihydro-streptomycin	Cattle and swine Muscle	0.5*	Dihydrostreptomycin / Kidney
	Cattle and swine Liver	0.5*	
	Cattle and swine Kidney	2.0*	
	Cattle and swine Fat	0.5*	
	Milk	0.125	
Dinitolmide (Zoalene)	Chickens Muscle	3.0	Dinitolmide, including the metabolite 3-amino-5-nitro-o-toluamide / Kidney
	Chickens Liver and kidney	6.0	

	Chickens Fat	2.0	
	Turkeys Muscle and liver	3.0	
	Turkeys Kidney	6.0*	
	Turkeys Fat	3.0	
Doramectin	Cattle Muscle	0.03	Doramectin/Liver
	Cattle Liver	0.07	
	Cattle Kidney	0.12*	
	Cattle Fat	0.18*	
	Swine Muscle	0.01	
	Swine Liver	0.035	
	Swine Kidney	0.07*	
	Swine Fat	0.12*	
Emamectin	Salmonids Muscle	0.1*	Emamectin B1a free base/Muscle
	Salmonids Skin	1.0*	
Enrofloxacin	Cattle Muscle	0.02	Desethylene ciprofloxacin/Liver
	Cattle Liver	0.07	
Eprinomectin	Cattle Muscle	0.1	Eprinomectin B1a/Liver
	Cattle Liver	1.0	
	Milk	0.02	
Erythromycin	Swine Edible tissue	0.1	Erythromycin/Kidney or Liver
	Cattle Edible tissue	0.1*	
	Sheep Edible tissue	0.2*	
	Milk	0.05	
	Chickens and turkeys Edible tissue	0.125	
Fenbendazole	Cattle Muscle	0.1*	Fenbendazole/Liver
	Cattle Liver	0.45	
	Cattle Kidney and fat	0.2*	
	Swine Muscle	0.1*	
	Swine Liver	4.5	
	Swine Kidney	2.0*	
	Swine Skin and fat	1.0*	
	Milk	0.6*	Fenbendazole sulfoxide in milk
Florfenicol	Cattle Muscle	0.2*	Florfenicol amine/Liver in cattle and swine/Muscle in salmonids
	Cattle Liver	2.0	
	Swine Muscle	0.25*	
	Swine Liver	1.4*	
	Salmonids Muscle	0.8	
Flunixin	Cattle Muscle	0.02	Flunixin free acid/Liver in cattle and swine
	Cattle Liver	0.08	
	Cattle Kidney	0.03*	
	Cattle Fat	0.09*	
	Milk	0.006*	5-Hydroxy Flunixin in milk
	Swine Muscle	0.02*	
	Swine Liver	0.03*	
	Swine Kidney	0.03*	
	Swine Skin and fat	0.04*	

Gamithromycin	Cattle Muscle	0.02*	Gamithromycin/Liver
	Cattle Liver	0.2*	
	Cattle Kidney	0.1*	
	Cattle Fat	0.02*	
Gentamicin	Cattle Muscle	0.1*	Gentamicin / Kidney in cattle and swine / Edible tissue in chickens and turkeys
	Cattle Liver	0.5*	
	Cattle Kidney	1.0*	
	Cattle Fat	0.1*	
	Milk	0.1*	
	Chickens Edible tissue	0.1*	
	Turkeys Edible tissue	0.1	
	Swine Muscle	0.1*	
	Swine Liver	0.3*	
	Swine Kidney	0.4	
	Swine Skin and fat	0.1*	
	Halofuginone	Chickens Liver	
Hydrocortisone	Milk	0.01	Hydrocortisone
Ivermectin	Cattle Muscle	0.01*	22, 23-dihydro-ivermectin B _{1a} /Liver in cattle, swine and sheep
	Cattle Liver	0.07	
	Cattle Kidney	0.14*	
	Cattle Fat	0.1*	
	Sheep Muscle	0.01*	
	Sheep Liver	0.03	
	Sheep Kidney	0.18*	
	Sheep Fat	0.12*	
	Swine Muscle	0.01*	
	Swine Liver	0.015	
	Swine Kidney	0.15*	
	Swine Fat	0.1*	
Ketoprofen	Cattle Muscle	0.25	Ketoprofen/Kidney in cattle and swine
	Cattle Kidney	0.8	
	Swine Muscle	0.1	
	Swine Kidney	0.5	
	Milk	0.05	
Lasalocid	Chickens Skin and fat	0.35	Lasalocid / Liver in cattle / Skin and fat in chickens
	Cattle Liver	0.65	
Levamisole hydrochloride	Cattle, sheep and swine Edible tissue	0.1 calculated as levamisole hydrochloride	Levamisole/Edible tissue
Lincomycin	Swine and chickens Muscle	0.1	Lincomycin/Liver
	Swine and chickens Liver	0.5	
Maduramicin	Chickens Skin and fat	0.4	Maduramicin/Skin and fat
Melengestrol acetate	Cattle Liver	0.006*	Melengestrol acetate/Fat
	Cattle Fat	0.014*	
Meloxicam	Cattle Muscle	0.02*	Meloxicam/Liver
	Cattle Liver	0.06*	

	Cattle Kidney	0.2*	
Monensin	Cattle, chickens and turkeys Edible tissue	0.05	Monensin/Edible tissue
	Milk	0.01	
Morantel tartrate	Cattle Liver	0.5	N-methyl-1,3-propanediamine/Liver
	Milk	0.1	
Moxidectin	Cattle Muscle	0.05*	Moxidectin/Fat
	Cattle Liver	0.15*	
	Cattle Kidney	0.4*	
	Cattle Fat	0.55	
	Milk	0.04*	
Narasin	Chickens Muscle	0.05	Narasin/Fat in chickens/Liver in swine
	Chickens Fat	0.5	
	Swine Muscle and liver	0.05	
Neomycin	Cattle, swine, goats, sheep chickens, turkeys and ducks Muscle, liver and fat	0.5*	Neomycin/Kidney
	Cattle, swine, goats, sheep chickens, turkeys and ducks Kidney	10.0*	
	Milk	1.5*	
	Eggs	0.5*	
Nicarbazin	Chickens Muscle, liver, kidney, skin and fat	4.0	N,N¹-bis(4-nitrophenyl)urea/Edible tissue
Nitarsons	Turkeys Muscle	0.5	Arsenic/Liver
	Turkeys Liver	2.0	
Novobiocin	Cattle, chickens and turkeys Edible tissue	1.0	Novobiocin/Edible tissue
	Milk	0.1*	Milk
Ormetoprim	Salmonids Muscle and skin in natural proportions	0.1*	Ormetoprim/Muscle and skin in natural proportions
Oxytetracycline	Cattle, swine, sheep, salmonids, lobsters, chickens and turkeys Muscle	0.2	Oxytetracycline/Edible tissue
	Honey	0.3	
	Eggs	0.4	
	Cattle, swine, sheep, chickens and turkeys Liver	0.6	
	Cattle, swine, sheep, chickens and turkeys Kidney	1.2	

	Milk	0.1*	
Penicillin G	Cattle and swine Edible tissue	0.05	Penicillin G/Edible tissue, Eggs
	Turkeys Edible tissue	0.01	
	Milk	0.01 I.U./ml	
	Chickens Edible tissue & eggs	0.05*	
	Sheep Edible tissue	0.05*	
Pirlimycin	Cattle Muscle	0.3	Pirlimycin/Liver
	Cattle Liver	0.5	
	Milk	0.4	
Polymyxin B	Milk	4.0 u/ml	Polymyxin B
Pyrantel tartrate	Swine Muscle	1.0 calculated as pyrantel tartrate	N-methyl-1,3-propane diamine/Liver and kidney
	Swine Liver and kidney	10.0 calculated as pyrantel tartrate	
Ractopamine	Swine Muscle	0.04*	Ractopamine free base/Liver
	Swine Liver	0.12*	
	Swine Kidney	0.14*	
	Cattle Muscle	0.01*	
	Cattle Liver	0.04*	
	Cattle Kidney	0.1*	
	Turkeys Muscle	0.03*	
	Turkeys Liver	0.2*	
Robenidine hydrochloride	Chickens Muscle, liver and kidney	0.1 calculated as robenidine hydrochloride	Robenidine/Skin and fat
	Chickens Skin and fat	0.2 calculated as robenidine hydrochloride	
Roxarsone	Swine, chickens and turkeys Muscle	0.5	Arsenic/Liver
	Swine, chickens and turkeys Liver	2.0	
	Eggs	0.5	
Salinomycin	Chickens Skin and fat	0.35	Salinomycin/Skin and fat in chickens/Liver in cattle and swine
	Cattle Liver	0.35	
	Swine Liver	0.35	
Spectinomycin	Chickens Edible tissue	0.1	Spectinomycin/Edible tissue
Streptomycin	Cattle, swine, chickens and turkeys Muscle	0.5*	Streptomycin/Kidney
	Cattle, swine,	0.5*	

	chickens and turkeys Liver		
	Cattle, swine, chickens and turkeys Kidney	2.0*	
	Cattle, swine, chickens and turkeys Fat	0.5*	
	Milk	0.125	
Sulfabenzamide	Cattle and sheep Edible tissue	0.1*	Sulfabenzamide/Edible tissue
	Milk	0.01*	
Sulfacetamide	Cattle and sheep Edible tissue	0.1*	Sulfacetamide/Edible tissue
	Milk	0.01*	
Sulfachlorpyridazine	Cattle and swine Edible tissue	0.1	Sulfachlorpyridazine / Edible tissue
Sulfadiazine	Cattle, swine, sheep and horses Edible tissue	0.1*	Sulfadiazine / Edible tissue/ Muscles of salmonids
	Salmonids Muscle	0.1	
Sulfadimethoxine	Cattle Edible tissue	0.1	Sulfadimethoxine/Edible tissue/ Muscles of salmonids
	Milk	0.01	
	Swine, horses, chickens and turkeys Edible tissue	0.1*	
	Salmonids Muscle	0.1*	
Sulfadoxine	Cattle and swine Edible tissue	0.1*	Sulfadoxine/Edible tissue
	Milk	0.01*	
Sulfaethoxy-pyridazine	Cattle Edible tissue	0.1	Sulfaethoxypyridazine / Edible tissue
	Milk	0.01*	
	Swine Edible tissue	0.1*	
Sulfaguanidine	Cattle, swine, horses, sheep and rabbits Edible tissue	0.1*	Sulfaguanidine/Edible tissue
	Milk	0.01*	
Sulfamerazine	Cattle, sheep and swine Edible tissue	0.1*	Sulfamerazine/Edible tissue
Sulfamethazine	Cattle, swine, chickens and turkeys Edible tissue	0.1	Sulfamethazine/Edible tissue
	Milk	0.01	
	Sheep, goats, horses, ducks and geese Edible tissue	0.1*	

Sulfanilamide	Cattle, swine and sheep Edible tissue	0.1*	Sulfanilamide/ Edible tissue
	Milk	0.01*	
Sulfanitran	Chickens and turkeys Edible tissue	0.1*	Sulfanitran/ Edible tissue
Sulfapyridine	Cattle and swine Edible tissue	0.1*	Sulfapyridine/Edible tissue
	Milk	0.01*	
Sulfaquinoxaline	Chickens, turkeys, cattle, sheep and rabbits Edible tissue	0.1*	Sulfaquinoxaline/ Edible tissue
	Milk	0.01*	
Sulfathiazole	Swine Edible tissue	0.1	Sulfathiazole/Edible tissue
	Cattle, horses, sheep, goats, chickens, turkeys, ducks and geese Edible tissue	0.1*	
	Milk	0.01*	
Teflubenzuron	Salmonids Muscle	0.3	Teflubenzuron/Muscle
	Salmonids Skin	3.2	
Tetracycline	Cattle, swine, sheep, chickens and turkeys Muscle	0.2*	Tetracycline/Edible tissue
	Cattle, swine, sheep, chickens and turkeys Liver	0.6*	
	Cattle, swine, sheep, chickens and turkeys Kidney	1.2*	
	Milk	0.1*	
Thiabendazole	Cattle, goats and sheep Edible tissue	0.1	Thiabendazole and total 5-hydroxythiabendazole metabolites (free form, glucuronide and sulfate conjugates)/ Edible tissue
	Milk	0.05	
Tiamulin	Swine Liver	0.4	8-alpha-hydroxy-mutilin / Liver
Tilmicosin	Cattle and sheep Muscle	0.1*	Tilmicosin/Liver
	Cattle and sheep Liver	1.0*	
	Swine Muscle	0.1*	
	Swine Liver	1.5*	
Toltrazuril	Swine Muscle	0.1*	Toltrazuril-sulfone/Liver
	Swine Liver	0.7*	
	Swine Kidney	0.5*	
	Swine Skin and fat	0.15*	

Trenbolone Acetate	Cattle Muscle	0.002*	β-Trenbolone/Muscle
	Cattle Liver	0.01*	α-Trenbolone/Liver
Tricaine Methanesulfonate (TMS)	Salmonids Muscle and skin in natural proportions	0.01*	Tricaine Methanesulfonate/Muscle and skin in natural proportions
Trimethoprim	Salmonids Muscle	0.1	Trimethoprim/Muscle
Tulathromycin	Cattle Muscle	1.0* calculated as tulathromycin equivalents	CP-60,300 / Liver in cattle/Kidney in swine
	Cattle Liver	2.0* calculated as tulathromycin equivalents	
	Cattle Kidney	4.0* calculated as tulathromycin equivalents	
	Swine Muscle	1.5* calculated as tulathromycin equivalents	
	Swine Liver	4.0* calculated as tulathromycin equivalents	
	Swine Kidney	5.0* calculated as tulathromycin equivalents	
Tylosin	Cattle, chickens, turkeys and swine Muscle, liver, kidney and fat	0.2	Tylosin/Muscle, liver, kidney and fat
Zeranol	Cattle Muscle	0.002*	Zeranol/Liver
	Cattle Liver	0.01*	
Zilpaterol	Cattle Muscle	0.002*	Zilpaterol free base /Liver
	Cattle Liver	0.005*	
	Cattle Kidney	0.005*	

Footnotes:

The units are in parts per million (ppm) for tissue and µg/ml for milk unless otherwise noted in the table

* Administrative MRL (AMRL) for which the promulgation process has been initiated.

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