

APPENDIX I

U.S. RESIDUE LIMITS FOR VETERINARY DRUGS, FOOD ADDITIVES AND UNAVOIDABLE CONTAMINANTS IN MEAT, POULTRY, AND EGG PRODUCTS

This appendix has been generated for the convenience of the reader, and if any discrepancies arise between this appendix and the Code of Federal Regulations (CFR), the values from the latter source should be used. Appendix I provides chemical residue limits (tolerances) in tissue by production class and by compound for veterinary drugs, food additives, and unavoidable contaminants in meat, poultry, and egg products. The Food Safety and Inspection Service (FSIS) in its regulatory programs applies chemical residue limits, which are set by the Food and Drug Administration (FDA). The official source of the tolerances is Title 21 of the CFR. Those for veterinary drugs are found in Title 21, Part 556, those for food additives are found in Title 21, Part 172, Section 172.140, and those for unavoidable contaminants are found in, Title 21 Part 109, Section 109.30. All chemical residue limits are provided in units of parts per million (ppm) unless otherwise noted.

Table AI
Residue Limits for Veterinary Drugs, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
2-Acetylamino-5-nitrothiazole	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 ²	21 CFR 556.20
Aklomide	Cattle Goats Hogs Horses Poultry ¹² Sheep Eggs	3 ¹⁶	4.5		4.5			21 CFR 556.30
Albendazole ³	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.05 0.05		0.2 0.25			21 CFR 556.34
Altrenogest	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.001		0.004			21 CFR 556.36

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Amoxicillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.01	21 CFR 556.38
Ampicillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.01 0.01	21 CFR 556.40
Amprolium	Cattle Goats Hogs Horses Poultry Sheep Eggs	2.0	0.5 0.5 ⁴		0.5 1	0.5 1 ⁵	 4 ⁶ , 8 ⁷	21 CFR 556.50
Apramycin	Cattle Goats Hogs Horses Poultry Sheep Eggs					0.1		21 CFR 556.52

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Arsenic	Cattle Goats Hogs Horses Poultry ⁵ Sheep Eggs		0.5	0.5	2	2		21 CFR 556.60
			0.5	2			0.5	
Bacitracin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.5	21 CFR 556.70
							0.5	
							0.5 ⁸	
							0.5	
Bambermycin	Cattle ⁹ Goats Hogs Horses Poultry ⁹ Sheep Eggs							
Buquinolate ¹²	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.4 ¹⁶	0.1		0.4	0.4		21 CFR 556.90
							0.5 ⁷ , .2 ⁶	

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Carbadox ³⁵	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.03			21 CFR 556.100
Carbomycin ³⁶	Cattle Goats Hogs Horses Poultry Sheep Eggs							21 CFR 556.110
Ceftiofur ¹⁰	Cattle Goats Hogs Horses Poultry ⁹ Sheep ⁹ Eggs		1 ³¹ 2		2 3	8 0.25		21 CFR 556.113
Cephapirin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.115

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Chlorhexidine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0 ²³	21 CFR 556.120
Chlortetracycline ¹¹	Cattle Goats Hogs Horses Poultry ³⁸ Sheep Eggs	12 12 12 12	2 2 2 2		6 6 6 6	12 12 12 12	0.4	21 CFR 556.150
Clopidol	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.2 0.2 5 0.2		1.5 1.5 15 1.5	3 3 15 3	0.2	21 CFR 556.160
Clorsulon	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.1			1		21 CFR 556.163

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Cloxacillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.01	21 CFR 556.165
Colistimethate	Cattle Goats Hogs Horses Poultry ⁹ Sheep Eggs							21 CFR 556.167
Danofloxacin	Cattle ²⁷ Goats Hogs Horses Poultry Sheep Eggs		0.2		0.2			21 CFR 556.169
Decoquinatate	Cattle Goats Hogs Horses Poultry ¹² Sheep Eggs	2 2 2	1 1 1	2 2 2	2 2 2	2 2 2		21 CFR 556.170

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Dichlorvos	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.180
Diclazuril	Cattle Goats Hogs Horses Poultry ⁵ Sheep Eggs	1 ¹⁶	0.5		3			21 CFR 556.185
Dihydro-streptomycin	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.5 0.5	0.5 0.5	0.5 0.5	0.5 0.5	2.0 2.0		21 CFR 556.200
3,5-Dinitrobenzamide	Cattle Goats Hogs Horses Poultry Sheep Eggs						0	21 CFR 556.220

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Doramectin ^{27,32,33}	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.03		0.1 0.16			21 CFR 556.225
Enrofloxacin	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.1 ¹³			21 CFR 556.228
Eprinomectin	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.1		4.8			21 CFR 556.227
Erythromycin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 0.1 0.125 0.025	21 CFR 556.230

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Estradiol benzoate and related esters ¹⁴	Cattle Goats Hogs Horses Poultry Sheep Eggs	480 ^{14,28}	120 ^{14,28}		240 ^{14,28}	360 ^{14,28}		21 CFR 556.240
		600 ¹⁴	120 ¹⁴		600 ¹⁴	600 ¹⁴		
Ethopabate	Cattle Goats Hogs Horses Poultry ¹² Sheep Eggs		0.5		1.5	1.5		21 CFR 556.260
Ethoxyquin	Cattle	5	0.5					21 CFR 172.140
	Goats	5	0.5					
	Hogs	5	0.5					
	Horses	5	0.5					
	Poultry	3	0.5		3			
	Sheep Eggs	5	0.5				0.5	
Famphur	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.1	0.1	0.1				21 CFR 556.273

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Fenbendazole	Cattle		0.4		0.8			21 CFR 556.275
	Goats		0.4		0.8			
	Hogs		2		6			
	Horses							
	Poultry		2		6			
	Sheep							
Eggs								
Fenprostalene	Cattle							21 CFR 556.277
	Goats							
	Hogs							
	Horses							
	Poultry							
	Sheep							
Eggs								
Florfenicol	Cattle		0.3		3.7			21 CFR 556.283
	Goats							
	Hogs		0.2		2.5			
	Horses							
	Poultry							
	Sheep							
Eggs								
Flunixin meglumine	Cattle ²⁹		0.025		0.125			21 CFR 556.286
	Goats							
	Hogs							
	Horses							
	Poultry							
	Sheep							
Eggs								

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Furazolidone	Cattle Goats Hogs Horses Poultry Sheep Eggs						0	21 CFR 556.290
Gentamicin sulfate	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.4	0.1		0.3	0.4	0.1	21 CFR 556.300
Gonadotropin ³⁷	Cattle Goats Hogs Horses Poultry Sheep Eggs							21 CFR 556.304
Halofuginone hydrobromide	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.16,0.13 ²			21 CFR 556.308

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Haloxon	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.310
Hygromycin B	Cattle Goats Hogs Horses Poultry Sheep Eggs						0 0 0	21 CFR 556.330
Ivermectin	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.01 0.02		0.1, .015 ¹⁵ 0.02 0.03			21 CFR 556.344
Laidlomycin	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.2			21 CFR 556.346

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Lasalocid	Cattle	1.2 ^{12,16} ,0.4 ^{2,16}			0.7			21 CFR 556.347
	Goats							
	Hogs							
	Horses							
Lasalocid	Poultry	1.2 ^{12,16} ,0.4 ^{2,16}			0.4			21 CFR 556.347
	Sheep							
	Eggs							
	Rabbit							
Levamisole hydrochloride	Cattle ³⁰						0.1	21 CFR 556.350
	Goats							
	Hogs							
	Horses							
Levamisole hydrochloride	Poultry						0.1	21 CFR 556.350
	Sheep							
	Eggs							
Lincomycin	Cattle		0.1		0.6			21 CFR 556.360
	Goats							
	Hogs							
	Horses							
Lincomycin	Poultry ^{12,9}		0.1		0.6			21 CFR 556.360
	Sheep							
	Eggs							
Maduramicin ammonium	Cattle	0.38						21 CFR 556.375
	Goats							
	Hogs							
	Horses							
Maduramicin ammonium	Poultry	0.38						21 CFR 556.375
	Sheep							
	Eggs							

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Melengestrol acetate	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.025						21 CFR 556.380
Metoserpate hydrochloride	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.02 ¹²	21 CFR 556.410
Monensin	Cattle Goats Hogs Horses Poultry ¹⁷ Sheep Eggs						0.05 0.05	21 CFR 556.420
Morantel tartrate ¹⁸	Cattle Goats Hogs Horses Poultry Sheep Eggs				0.7 0.7			21 CFR 556.425

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Moxidectin	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.90	0.05		0.2			21 CFR 556.426
Narasin	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.48						21 CFR 556.428
Neomycin	Cattle ²⁷ Goats Hogs Horses Poultry ² Sheep Eggs	7.2 7.2 7.2 7.2 ¹⁶ 7.2	1.2 1.2 1.2 1.2 1.2		3.6 3.6 3.6 3.6 3.6	7.2 7.2 7.2		21 CFR 556.430
Nequinatate	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 ⁵	21 CFR 556.440

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Nicarbazin	Cattle Goats Hogs Horses Poultry Sheep Eggs	4 ¹⁹	4		4	4		21 CFR 556.445
Novobiocin	Cattle Goats Hogs Horses Poultry ³⁸ Sheep Eggs						1 1	21 CFR 556.460
Nystatin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0 0 0	21 CFR 556.470
Oleandomycin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.15 0.15 ⁵	21 CFR 556.480

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Ormetoprim	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.490
Oxfendazole	Cattle ²⁰ Goats Hogs Horses Poultry Sheep Eggs				0.8			21 CFR 556.495
Oxytetracycline	Cattle	12	2		6	12		21 CFR 556.500
	Goats							
	Hogs	12	2		6	12		
	Horses							
	Poultry ⁵	12	2		6	12		
	Sheep	12	2		6	12		
	Eggs							
PBB's	Cattle Goats Hogs Horses Poultry Sheep Eggs							FDA revoked, effective January 5,1987, all action levels in meat and poultry

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
PCB's ²¹	Cattle Goats Hogs Horses Poultry Sheep Eggs	3 0.3 ⁶						21 CFR 109.30
Penicillin	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.05 0 0 ³⁴ , .01 ² 0 0 ⁶	21 CFR 556.510
Pirlimycin	Cattle Goats Hogs Horses Poultry Sheep Eggs		0.3		0.5			21 CFR 556.515
Progesterone	Cattle ³⁹ Goats Hogs Horses Poultry Sheep Eggs	0.012 0.015	0.003 0.003		0.006 0.0015	0.009 0.015		21 CFR 556.540

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Pyrantel tartrate	Cattle Goats Hogs Horses Poultry Sheep Eggs		1		10	10		21 CFR 556.560
Ractopamine hydrochloride	Cattle ²⁷ Goats Hogs Horses Poultry Sheep Eggs		0.03 0.05		0.09 0.15			21 CFR 556.570
Robenidine hydrochloride	Cattle Goats Hogs Horses Poultry Sheep Eggs	0.2					0.1	21 CFR 556.580
Spectinomycin	Cattle ²⁷ Goats Hogs Horses Poultry ⁵ Sheep Eggs		0.25			4	0.1	21 CFR 556.600

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Streptomycin	Cattle ²³	0.5	0.5	0.5	0.5	2	0.5	21 CFR 556.610
	Goats							
	Hogs	0.5	0.5	0.5	0.5	2	0.5	
	Horses							
	Poultry	0.5	0.5	0.5	0.5	2	0.5	
Sheep								
Eggs								
Sulfabromomethazine sodium	Cattle						0.1	21 CFR 556.620
	Goats							
	Hogs							
	Horses							
	Poultry							
Sheep								
Eggs								
Sulfachloropyrazine	Cattle							21 CFR 556.625
	Goats							
	Hogs							
	Horses							
	Poultry							
Sheep								
Eggs								
Sulfachlorpyridazine	Cattle						0.1	21 CFR 556.630
	Goats							
	Hogs							
	Horses							
	Poultry							
Sheep								
Eggs								

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Sulfadimethoxine	Cattle Goats Hogs Horses Poultry ³⁸ Sheep Eggs						0.1 0.1	21 CFR 556.640
Sulfaethoxy-pyridazine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 0	21 CFR 556.650
Sulfamethazine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1 0.1 0.1	21 CFR 556.670
Sulfanitran	Cattle Goats Hogs Horses Poultry Sheep Eggs						0	21 CFR 556.680

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Sulfaquinoxaline	Cattle Goats Hogs Horses Poultry ⁵ Sheep Eggs						0.1 0.1	21 CFR 556.685
Sulfathiazole	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.1	21 CFR 556.690
Sulfomyxin	Cattle Goats Hogs Horses Poultry ⁵ Sheep Eggs						0	21 CFR 556.700
Testosterone propionate	Cattle ²² Goats Hogs Horses Poultry Sheep Eggs	0.0026	0.00064		0.0013	0.0019		21 CFR 556.710

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Tetracycline	Cattle ²³	12	2		6	12		21 CFR 556.720
	Goats							
	Hogs	12	2		6	12		
	Horses							
	Poultry ⁵	12	2		6	12		
	Sheep	12	2		6	12		
Eggs								
Thiabendazole	Cattle						0.1	21 CFR 556.730
	Goats						0.1	
	Hogs						0.1	
	Horses							
	Poultry ²⁴						0.1	
	Sheep						0.1	
Eggs								
Tiamulin	Cattle				0.6 ²⁵			21 CFR 556.738
	Goats							
	Hogs							
	Horses							
	Poultry							
	Sheep							
Eggs								
Tilmicosin	Cattle		0.1		1.2			21 CFR 556.735
	Goats							
	Hogs		0.1		7.5			
	Horses							
	Poultry							
	Sheep		0.1		1.2			
Eggs								

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Trenbolone	Cattle ^{40, 27} Goats Hogs Horses Poultry Sheep Eggs							21 CFR 556.739
Tripelennamine	Cattle Goats Hogs Horses Poultry Sheep Eggs						0.2	21 CFR 556.741
Tulathromycin	Cattle Goats Hogs Horses Poultry Sheep Eggs				5.5	15		21 CFR 556.745
Tylosin	Cattle Goats Hogs Horses Poultry ⁵ Sheep Eggs	0.2 0.2 0.2	0.2 0.2 0.2		0.2 0.2 0.2	0.2 0.2 0.2	0.2 ⁶	21 CFR 556.740

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

Compound	Production Class	Fat (ppm)	Meat (ppm)	Meat ¹ by-product (ppm)	Liver (ppm)	Kidney (ppm)	Edible Tissue (ppm)	Reference
Virginiamycin	Cattle ⁹ Goats Hogs Horses Poultry ⁹ Sheep Eggs	0.4	0.1		0.3	0.4		21 CFR 556.750
Zeranol	Cattle ^{9,27} Goats Hogs Horses Poultry Sheep Eggs						0.02	21 CFR 556.760
Zoalene ²⁶	Cattle Goats Hogs Horses Poultry Sheep Eggs	2	3		6, 3	6		21 CFR 556.770

¹ Unless otherwise indicated meat by product includes liver and kidney

² Turkey only

³ Marker residue: albendazole 2-aminosulfone

⁴ Chicken, turkey and pheasants

⁵ Chicken and turkey

⁶ Whole egg

⁷ Egg yolk

⁸ Chicken, turkey, pheasants and quails

Table AI - Continued
Residue Limits for Veterinary Drugs, Food Additives, and Unavoidable Contaminants
2004 National Residue Program

⁹ No tolerance required

¹⁰ Marker residue is desfuoylceftiofur

¹¹ Tolerances are for the sum of all approved tetracycline residues (i.e., tetracycline, chlortetracycline, and oxytetracycline)

¹² Chicken only

¹³ Marker desethylene ciprofloxacin

¹⁴ Tolerance in parts per trillion

¹⁵ American bison and reindeer

¹⁶ Skin with adhering fat

¹⁷ Chicken, turkey, and quail

¹⁸ N-methyl-1,3-propanediamine

¹⁹ Skin

²⁰ Marker residue is fenbendazole

²¹ Temporary

²² Heifers; no residues are permitted at concentrations above these, which represent the levels naturally present in untreated animals

²³ Calves

²⁴ Pheasants only

²⁵ Marker residue is 8-alpha-hydroxymutilin

²⁶ Tolerances are established for residues of zoalene (3,5-dinitro-o-toluamide) and its metabolite 3-amino-5-nitro-o-toluamide

²⁷ For bob veal, formula fed veal, and non-formula fed veal there is a zero tolerance

²⁸ For use in heifers, steers, and calves. Do not use in calves intended for reproduction or calves less than 30 days old. Do not use in calves to be processed for veal. For bob veal, formula fed veal, and non-formula fed veal there is a zero tolerance

²⁹ For dairy cows, bob veal, formula fed veal, and non-formula fed veal, the tolerances are zero

³⁰ Not for use in dairy animals of breeding age

³¹ Injection site muscle tolerance is 166 ppm

³² Do not slaughter cattle within 45 days of latest treatment in the ophthalmic and topical form

³³ Not for use in female dairy cattle 20 months of age or older

³⁴ Chicken, pheasants, quail

³⁵ Marker residue is quinoxaline-2-carboxylic acid

³⁶ A tolerance of zero has been established for carbomycin in the uncooked edible tissues of chickens

³⁷ A tolerance is not required for gonadotropin in uncooked edible tissues of cattle

³⁸ Chicken, turkey, and duck

³⁹ Steers and calves

⁴⁰ A tolerance for total trenbolone residues in uncooked edible tissues of cattle is not needed