

APPENDIX I

Table AI
Analytical Methods
2005 National Residue Program

Compound Class	Compound	Analytical Method			Minimum Proficiency Level ^a			
		Screen	Determinative (quantitative)	Confirmatory (identification)	Screen	Determinative (quantitative)	Confirmatory (identification)	
Antibiotics	Carbadox		GC-ECD	TBD		15 ppb	TBD	
	Chloramphenicol	ELISA	GC-ECD	GC-MS	0.25 ppb (M)	0.25 ppb (M)	0.30 ppb (M)	
	Florfenicol		HPLC	GC/SIM-MS		0.3 ppm (L) 0.2 ppm (M)	0.5 ppm (L) 0.3 ppm (M)	
Antibiotics : <i>beta</i> -Lactams	Amoxicillin	7-Plate Bioassay	Bioassay	HPLC/MS- MS		TBD	TBD	
	Ampicillin					0.01 ppm	10 ppb	
	Cefazolin					0.02 ppm	50 ppb	
	Cloxacillin					TBD	TBD	
	Desacetyl cephalirin					0.1 ppm	100 ppb	
	Desfuoylceftiofur cysteine disulfide (DCCD)					0.05 ppm	50 ppb	
	Dicloxacillin					0.05 ppm	50 ppb	
	Nafcillin						20 ppb	
	Penicillin-G					0.05 ppm	50 ppb	
	Oxacillin					TBD	TBD	
Antibiotics : Tetracyclines	Chlortetracycline	7-Plate Bioassay	Bioassay	HPLC	0.01 ppm	0.05 ppm	0.5 ppm	
	Oxytetracycline				0.5 ppm	0.40 ppm		
	Tetracycline							
Antibiotics: Macrolides	Clindamycin	7-Plate Bioassay	Bioassay	HPLC/MS- MS			0.1 ppm	
	Erythromycin					0.05 ppm	0.1 ppm	
	Lincomycin						0.1 ppm	
	Pirlimycin						0.1 ppm	
	Tilmicosin					HPLC- Ion Pairing	300 ppb (M) 600 ppb (L,K)	0.1 ppm
	Tylosin					Bioassay	0.2 ppm	0.1 ppm

Table AI – continued
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Compound Class	Compound	Analytical Method			Minimum Proficiency Level ^a				
		Screen	Determinative (quantitative)	Confirmatory (identification)	Screen	Determinative (quantitative)	Confirmatory (identification)		
Antibiotics: Aminoglycosides	Amikacin	7-Plate Bioassay	Bioassay	HPLC/MS- MS			1.0 ppm (L,K), 0.4 ppm (M)		
	Apramycin						0.4 ppm (K) 0.1 ppm (L,M)		
	Dihydrostreptomycin						0.5 ppm	0.4 ppm (L,K,M)	
	Gentamicin						0.15 ppm	0.1 ppm (K,M), 0.4 (L)	
	Hygromycin							1.0 ppm (L,K) 0.4 ppm (M)	
	Kanamycin							4.0 ppm(L), 2.0 ppm (K), 0.4 ppm (M)	
	Neomycin						Bioassay	0.25 ppm	0.1ppm (K,M), 0.4 (L)
	Spectinomycin							10.0 ppm	1.0 ppm (L) 0.4 ppm (K) 0.25 ppm (M)
	Streptomycin						Bioassay	0.1 ppm	0.4 ppm (L,K,M)
Tobramycin			1.0 ppm (L) 0.1 ppm (K,M)						
Arsenicals	Arsenicals		AAS	AAS		0.2 ppm	0.2 ppm		
Avermectins	Ivermectin		HPLC	HPLC/APCI- MS		7.5 ppb	25 ppb		
	Doramectin								
	Moxidectin								
<i>beta</i> -Agonists	Cimaterol	ELISA			6 ppb				
	Clenbuterol	ELISA		LC/MS-MS	3 ppb		TBD		
	Ractopamine		HPLC	LC/MS		1 ppb (M), 25 ppb (L)	1 ppb		
	Salbutamol	ELISA			3 ppb				
Heavy metals	Cadmium			ICP/MS			10 ppb		
	Lead			ICP/MS			25 ppb		
Hormones, synthetic	Diethylstilbesterol (DES)		GC-MS	GC-MS		0.5 ppb	0.5 ppb (L,M)		
	Zeranol	ELISA	GC-MS	GC-MS	0.5 ppb	1.0 ppb	1.0 ppb (L,M)		
	<i>alpha</i> -Trenbolone	ELISA		GC/MS-MS	5.0 ppb		5.0 ppb (L)		
	<i>beta</i> -Trenbolone			GC/MS-MS			5.0 ppb (M)		
Nitrofurans	Furazolidone	ELISA		LC/MS-MS	1.0 ppb		1.0 ppb (L)		
	Furaltadone	ELISA		LC/MS-MS	1.0 ppb		1.0 ppb (L)		

Table AI – continued
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<i>Compound Class</i>	<i>Compound</i>	<i>Analytical Method</i>			<i>Minimum Proficiency Level^a</i>		
		<i>Screen</i>	<i>Determinative (quantitative)</i>	<i>Confirmatory (identification)</i>	<i>Screen</i>	<i>Determinative (quantitative)</i>	<i>Confirmatory (identification)</i>
Nitroimidazoles	Hydroxydimetridazole		HPLC	HPLC/MS/MS		1 ppb	1 ppb
	Hydroxyipronidazole		HPLC	HPLC/MS/MS		1 ppb	1 ppb
Nonsteroidal Anti-inflammatory Drugs (NSAIDs)	Dipyrones ^b	HPLC	HPLC		0.2 ppm	0.2 ppm	
	Flunixin	ELISA	HPLC	HPLC/ESI-MS-MS	50 ppb	62.5 ppb	125 ppb
	Phenylbutazone	ELISA		HPLC/ESI-MS-MS	50 ppb		50 ppb
Anabolic Steroids	Melengesterol Acetate (MGA)	ELISA	GC/ECD	HPLC/APCI-MS	5 ppb	10 ppb	12.5 ppb
Sulfonamides	Sulfapyridine		TLC	GC/ESI-MS		0.05 ppm	0.1 ppm
	Sulfadiazine						
	Sulfathiazole						
	Sulfamerazine						
	Sulfamethazine						
	Sulfachloropyridazine						
	Sulfamethoxypryridazine						
	Sulfaquinoxaline						
	Sulfadimethoxine						
	Sulfaethoxypryridazine						
	Sulfaphenazole						
	Sulfatroxazole						
Sulfisoxazole							
Sulfadoxine							
Thyreostats	2-Mercaptobenzimidazole			HPLC/MS-MS			25 ppb
	6-Methyl-2-thiouracil						

Table AI – continued
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Compound Class	Compound	Analytical Method			Minimum Proficiency Level ^a			
		Screen	Determinative (quantitative)	Confirmatory (identification)	Screen	Determinative (quantitative)	Confirmatory (identification)	
Thyreostats (continued)	2-Mercapto-1-methylimidazole			HPLC/MS-MS			25 ppb	
	6-Phenyl-2-thiouracil							
	6-Propyl-2-thiouracil							
	2-Thiouracil							
CHCs/COPs/PCBs	Aldrin			GC-MS		0.10 ppm	0.01 ppm	
	<i>alpha</i> -BHC					0.10 ppm		
	Captan					0.04 ppm		
	Carbophenothion					0.06 ppm		
	Chlorfenvinphos					0.05 ppm		
	Chlorpyrifos					0.10 ppm		
	<i>cis</i> -chlordane					0.30 ppm		
	Coumaphos-O					0.20 ppm		
	Coumaphos-S					0.20 ppm		
	Dieldrin		GPC with GC-EC			0.10 ppm		0.01 ppm
	Endosulfan I					0.02 ppm		
	Endosulfan II					0.04 ppm		
	Endosulfan sulfate					0.1 ppm		0.2 ppm
	Endrin					0.10 ppm		0.03 ppm
	HCB					0.10 ppm		0.01 ppm
	Heptachlor epoxide					0.10 ppm		0.10 ppm
	Heptachlor					0.10 ppm		0.01 ppm
Kepone				0.06 ppm				
Lindane				0.10 ppm	0.01 ppm			
Linuron				0.50 ppm				

Table AI – continued
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Compound Class	Compound	Analytical Method			Minimum Proficiency Level ^a		
		Screen	Determinative (quantitative)	Confirmatory (identification)	Screen	Determinative (quantitative)	Confirmatory (identification)
CHCs/COPs/PCBs (continued)	Methoxychlor		GPC with GC-EC	GC-MS		0.50 ppm	0.15 ppm
	Mirex						
	Nonachlor						
	o,p'-TDE						
	Oxychlorthane						
	p,p'-DDE						
	p,p'-DDT						
	p,p'-TDE						
	PCB 1260						
	PCB 1254						
	PCB 1242						
	PCB 1248						
	Phosalone						
	Ronnel						
	Stirofos						
Toxaphene							
<i>trans</i> -chlordane							

a. Minimum Proficiency Level: The minimum concentration of a residue at which an analytical result will be used to assess a laboratory's quantification capability. This concentration is an estimate of the smallest concentration for which the average coefficient of variation (CV) for reproducibility (i.e., combined within and between laboratory variability) does not exceed 20 percent (9 CFR 318.21).

b. 4-methylaminoantipyrine, 4-formylaminoantipyrine, and 4-aminoantipyrine

Table AI – *continued*
Analytical Methods
2005 National Residue Program

Key:

AA = Atomic Absorption Spectroscopy

APCI = Atmospheric Pressure Chemical Ionization

CHCs = Chlorinated hydrocarbons

COPs = Chlorinated organophosphates

ECD = Electron Capture Detection

ELISA = Enzyme Linked Immunosorbent Assay

GC = Gas Chromatography

GPC = Gel Permeation Chromatography

HPLC = High performance liquid chromatography

ICP = Inductively Coupled Plasma

K = Kidney

L = Liver

M = Muscle

Method detection limit = The lowest quantity of residue (or sample component) that can be reliably observed or found in the sample matrix by the analytical methodology used.

MS = Mass Spectroscopy

NA = not applicable

PCBs = Polychlorinated biphenyls

ppb = parts per billion

ppm = parts per million

SIM = selected ion mode

TBD = To be determined

TLC = Thin Layer Chromatography

APPENDIX II

APPENDIX II

STATISTICAL TABLE

Table AIV, *Statistical Table*, indicates the number of samples required to ensure detection of a violation that affects a given percentage of the sampled population.

**Table AIV
Statistical Table**

Percentage Violative in Sampled Population	Probability of Detection (Percent)			
	90	95	99	99.9
	Samples Required			
10	22	29	44	66
5	45	59	90	135
1	230	299	459	688
0.5	460	598	919	1,379
0.1	2,302	2,995	4,603	6,905
0.05	4,605	5,990	9,209	13,813

APPENDIX III

APPENDIX III

SUMMARY of SCHEDULED SAMPLING DATA FROM 2002 to 2004

Antibiotics

Production Class	CY 2004			CY 2003			CY 2002		
	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations
Beef cows	323	0	-----	314	0	-----	285	1	1 gentamicin
Bison	-----	-----	-----	11	0	-----	11	0	-----
Boars/Stags	245	1	1 gentamicin	275	0	-----	194	0	-----
Bob veal	377	17	1 penicillin, 1 tilimicosin, 15 neomycin	285	17	16 neomycin, 1 gentamicin	383	8	1 penicillin, 7 neomycin
Bulls	-----	-----	-----	241	0	-----	186	0	
Dairy cows	439	3	3 penicillin	211	2	1 penicillin, 1 gentamicin	432	4	1 penicillin, 3 gentamicin
Ducks	-----	-----	-----	247	0	-----	221	0	-----
Formula-fed veal	111	8	1 penicillin, 7 neomycin	321	4	4 neomycin	712	0	-----
Geese	-----	-----	-----	13	0	-----	2	0	-----
Goats	-----	-----	-----	230	0	-----	226	0	-----
Heavy calves	141	2	1 tilimicosin, 1 gentamicin	252	2	1 neomycin, 1 gentamicin	174	1	1 tilimicosin
Heifers	469	1	1 gentamicin	317	0	-----	473	0	
Horses	-----	-----	-----	193	0	-----	418	5	4 penicillin, 1 gentamicin

Antibiotics, continuation

Production Class	CY 2004			CY 2003			CY 2002		
	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations
Lambs	222	0	-----	290	0	-----	358	0	-----
Market hogs	948	0	-----	299	0	-----	634	0	-----
Mature chickens	278	0	-----	231	0	-----	246	0	-----
Mature sheep	-----	-----	-----	183	0	-----	88	0	-----
Mature turkeys	-----	-----	-----	210	0	-----	186	0	-----
Non-formula-fed veal	97	3	1 tilmicosin, 2 neomycin	160	9	9 neomycin	63	0	-----
Rabbits	-----	-----	-----	54	1	1 penicillin	139	3	3 penicillin
Ratites	-----	-----	-----	13	0	-----	77	0	-----
Roaster pigs	-----	-----	-----	18	0	-----	214	1	1 penicillin
Sows	256	2	1 penicillin, 1 gentamicin	298	1	1 penicillin	290	0	-----
Squab	-----	-----	-----	21	0	-----	29	0	-----
Steers	-----	-----	-----	306	0	-----	471	0	-----
Young chickens	364	1	1 neomycin	297	0	-----	439	0	-----
Young turkeys	-----	-----	-----	318	0	-----	460	0	-----

Arsenic

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Beef cows	-----	-----	336	0	287	0
Boars/Stags	-----	-----	113	0	76	0
Ducks	-----	-----	336	1	229	0
Egg products	301	0	343	0	350	0
Geese	-----	-----	13	0	-----	-----
Goats	68	0	223	0	272	0
Market hogs	-----	-----	303	0	295	0
Mature chickens	-----	-----	202	0	238	0
Mature turkeys	-----	-----	97	1	69	0
Roaster pigs	-----	-----	18	0	157	0
Sows	-----	-----	252	0	210	0
Young chickens	547	0	1087	0	1144	0
Young turkeys	377	0	502	0	439	0

Avermectins

Production Class	CY 2004			CY 2003			CY 2002		
	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations
Beef cows	285	0	-----	341	0	-----	287	0	-----
Bison	-----	-----	-----	5	0	-----	6	0	-----
Boars/Stags	-----	-----	-----	134	0	-----	76	0	-----
Bob veal	-----	-----	-----	105	0	-----	184	0	-----
Bulls	277	2	2 ivermectin	309	0	-----	252	1	1 ivermectin
Dairy cows	-----	-----	-----	189	0	-----	169	0	-----
Formula-fed veal	-----	-----	-----	108	0	-----	234	0	-----
Goats	232	12	1 ivermectin, 11 moxidectin	307	5	5 moxidectin	273	9	9 moxidectin
Heavy calves	-----	-----	-----	230	1	1 ivermectin	193	0	-----
Heifers	-----	-----	-----	306	0	-----	316	0	-----
Horses	-----	-----	-----	149	0	-----	422	3	1 doramectin, 2 moxidectin
Lambs	-----	-----	-----	217	2	1 doramectin, 1 moxidectin	355	0	-----
Market hogs	-----	-----	-----	302	0	-----	295	0	-----
Mature sheep	74	1	1 doramectin	97	0	-----	33	2	2 moxidectin
Non-formula-fed veal	63	0	-----	89	1	1 doramectin	61	1	1 ivermectin
Rabbits	-----	-----	-----	-----	-----	-----	111	0	-----
Ratites	-----	-----	-----	7	0	-----	59	0	-----
Roaster pigs	-----	-----	-----	18	0	-----	157	0	-----
Sows	-----	-----	-----	267	0	-----	210	0	-----
Steers	-----	-----	-----	315	0	-----	460	0	-----

***beta*-Agonists
(clenbuterol, salbutamol, and cimaterol)**

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Formula-fed veal	248	0	-----	-----	-----	-----
Market hogs	274	0	109	0	-----	-----
Non-formula-fed veal	-----	-----	19	0	-----	-----
Steers	254	0	176	0	-----	-----

Carbadox

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Roaster pigs	188	2	-----	-----	-----	-----

Chlorinated hydrocarbons, Chlorinated organophosphates & Phenylbutazone

Production Class	CY 2004			CY 2003			CY 2002		
	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of Analyses	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations
Beef cows	315	0	-----	367	0	-----	188	0	-----
Bison	-----	-----	-----	9	0	-----	16	0	-----
Boars/Stags	252	2	2 halowax	281	3	3 mirex	161	0	-----
Bob veal	-----	-----	-----	237	0	-----	183	0	-----
Bulls	263	0	-----	251	0	-----	173	0	-----
Dairy cows	305	0	-----	222	0	-----	202	0	-----
Ducks	-----	-----	-----	248	0	-----	166	0	-----
Egg products	288	0	-----	370	0	-----	269	0	-----
Formula-fed veal	263	0	-----	238	0	-----	198	0	-----
Geese	-----	-----	-----	15	0	-----	2	0	-----
Goats	222	0	-----	247	0	-----	213	0	-----
Heavy calves	244	0	-----	246	0	-----	149	1	1 heptachlor and metabolites
Heifers	442	0	-----	313	1	1 PCB	317	0	-----
Horses	-----	-----	-----	157	0	-----	186	0	-----

Chlorinated hydrocarbons, Chlorinated organophosphates & Phenylbutazone, *continuation*

Production Class	CY 2004			CY 2003			CY 2002		
	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations
Lambs	245	0	-----	252	0	-----	247	0	-----
Market hogs	445	0	-----	311	0	-----	296	0	-----
Mature chickens	103	0	-----	221	0	-----	206	0	-----
Mature sheep	155	0	-----	199	0	-----	72	0	-----
Mature turkeys	103	0	-----	214	0	-----	114	0	-----
Non-formula-fed veal	101	1	1 DDT	160	0	-----	13	0	-----
Rabbits	-----	-----	-----	71	0	-----	38	0	-----
Ratites	-----	-----	-----	10	0	-----	62	0	-----
Roaster pigs	-----	-----	-----	20	0	-----	-----	-----	-----
Sows	247	0	-----	243	0	-----	189	0	-----
Squab	-----	-----	-----	22	0	-----	26	0	-----
Steers	432	0	-----	313	0	-----	319	0	-----
Young chickens	484	0	-----	476	0	-----	278	0	-----
Young turkeys	363	0	-----	249	0	-----	281	0	-----

Chloramphenicol

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Dairy cows	217	0	163	0	167	0
Formula-fed veal	100	0	327	0	309	0
Mature chickens	105	0	---	---	---	---
Mature turkeys	103	0	---	---	---	---
Non-formula-fed veal	70	0	143	0	79	0
Young chickens	282	0	---	---	---	---
Young turkeys	147	0	---	---	---	---

Diethylstilbestrol (DES)

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Formula-fed veal	----	-----	398	0	150	0

Florfenicol

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Dairy cows	50	0	----	-----	----	-----
Formula-fed veal	63	0	----	-----	----	-----

Flunixin

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Bob veal	----	-----	85	0	-----	-----
Dairy cows	213	3	117	2	102	2

Melengestrol acetate (MGA)

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Heifers	238	0	187	0	-----	-----

Phenylbutazone (ELISA)

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Beef cows	189	0	----	-----	----	-----
Dairy cows	237	2	----	-----	----	-----
Formula fed veal	13	0	----	-----	----	-----
Heavy calves	75	0	----	-----	----	-----
Heifers	91	0	----	-----	----	-----
Sow	1	0	----	-----	----	-----
Steers	96	0	----	-----	----	-----

Ractopamine

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Market hogs	-----	-----	189	0	285	0
Steers	-----	-----	135	0	316	0

Sulfonamides

Production Class	CY 2004			CY 2003			CY 2002		
	Number of Analyses	Number of violations	Specific Antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations
Beef cows	295	0	-----	252	1	1 sulfadimethoxine	281	1	1 sulfadoxine
Bison	----	-----	-----	8	0	-----	9	0	-----
Boars/Stags	319	0	-----	343	0	-----	248	0	-----
Bob veal	364	1	1 sulfamethazine	241	3	2 sulfadimethoxine, 1 sulfadiazine	242	3	2 sulfadimethoxine, 1 sulfamethazine
Bulls	317	0	-----	328	1	1 sulfadimethoxine	252	0	-----
Dairy cows	296	0	-----	141	2	2 sulfadimethoxine	176	1	1 sulfadimethoxine
Ducks	----	-----	-----	95	0	-----	220	0	-----
Egg products	299	0	-----	343	0	-----	351	0	-----
Formula-fed veal	152	0	-----	275	0	-----	314	1	1 sulfadimethoxine
Geese	----	-----	-----	17	0	-----	-----	-----	-----
Goats	----	-----	-----	247	0	-----	209	0	-----
Heavy calves	268	0	-----	234	1	1 sulfamethazine	175	1	1 sulfadimethoxine
Heifers	----	-----	-----	292	0	-----	316	0	-----
Horses	----	-----	-----	199	0	-----	210	0	-----
Lambs	230	0	-----	227	0	-----	359	0	-----
Market hogs	910	3	2 sulfamethazine, 1 sulfathiazole	289	2	2 sulfamethazine	287	0	-----
Mature chickens	----	-----	-----	97	0	-----	320	0	-----

Sulfonamides, continuation

Production Class	CY 2004			CY 2003			CY 2002		
	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations	Number of Analyses	Number of violations	Specific antibiotic violations
Mature turkeys	69	1	1 sulfadimethoxine	234	0	-----	241	2	2 sulfadimethoxine
Non-formula-fed veal	143	0	-----	164	2	1 sulfamethazine, 1 sulfamethoxazole	63	0	-----
Ratites	----	----	-----	5	0	-----	54	0	-----
Roaster pigs	----	----	-----	18	1	1 sulfamethazine	187	1	1 sulfamethazine
Sows	----	----	-----	300	0	-----	288	0	-----
Squab	----	----	-----	20	0	-----	31	0	-----
Steers	319	0	-----	288	1	1 sulfamethazine	297	0	-----
Young chickens	----	----	-----	385	0	-----	276	0	-----
Young turkeys	----	----	-----	234	0	-----	290	0	-----

Zeranol

Production Class	CY 2004		CY 2003		CY 2002	
	Number of Analyses	Number of violations	Number of Analyses	Number of violations	Number of Analyses	Number of violations
Formula-fed veal	----	-----	398	20	150	23