DEPARTMENT OF HEALTH
DEPARTEMENT VAN GESONDHEID

No. R. 215 **10 March *2006***

FOODSTUFFS, COSMETICS AND DISINFECTANTS ACT, 1972 (ACT NO. 54 OF 1972)

REGULATIONS GOVERNING THE MAXIMUM LIMITS FOR VETERINARY MEDICINE AND STOCK REMEDY RESIDUES THAT MAY BE PRESENT IN FOODSTUFFS

The Minister of Health intends, in terms of section 15(1) of the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act No. 54 of 1972), to make the regulations contained in the Schedule.

Interested parties are invited to submit any substantiated comments on the proposed regulations or representations they wish to make in regard thereto to the Director-General of Health, Private Bag X828, Pretoria, 0001 (for the attention of the Director: Food Control), within three months of the date of the publication of this notice.

SCHEDULE

Definitions

1. In these regulations **"the Regulations"** means the regulations published under Government Notice No. R. 1809 of 3 July 1992, as corrected by Government Notice No. R. 2376 of 28 August 1992 and as amended by Government Notice No. R. 1387 of 19 November 1999.

Amendment of regulation 2 of the Regulations

2. Regulation 2 of the Regulations is hereby amended by:

(1) The substitution for the word "Annex" in paragraphs (a), (b) and (d) of the expression "Annex 1"

(2) The addition of the following paragraph -

"(e) Paragraphs (a), (b), (c) and (d) do not apply in the case of chemical substances listed in Annex 2

Addition of regulation 3 to the Regulations

3. The following regulation is hereby added after regulation 2:

"3, The maximum residue limit of chemical substances listed in column I of Annex 2 is 0.00 mg/kg.".

Amendment of Annex to the Regulations

4. The following Annex 1 is hereby substituted for the Annex to the regulations:

ANNEX 1

I **Substance**	II **Species**	III **Foodstuff**	IV **Maximum Residue Limit MRL (mg/kg)**	V **Definition of residues on which MRL was set**
Abamectin.....	Cattle.....	Fat and liver..... Kidney..... Meat..... Milk.....	0.1 0.05 0.01 **0.005**	Avermectin B_{1a}
	Goats.,.....	Meat..... Milk..... Edible offal.....	0.01 0.005 0.1	
Albendazole.....	All food producing species.....	Fat, milk and muscle. Kidney and liver...	0.1 **5.0**	MRLs analysed as 2-aminobenzimidazole and expressed as

				parent drug equivalents
Altrenogest.....	Pigs.....	Kidney..... Liver.....	0.01 0.02	
Amoxicillin.....	All food producing species.....	Fat, kidney, liver and muscle..... Milk.....	0.05 0.004	
Ampicillin.....	All food producing species.....	Fat, kidney, liver and muscle..... Milk.....	0.05 0.004	
Apramycin.....	Poultry.....	Fat..... Liver..... Muscle..... Skin.....	0.15 0.42 0.07 0.20	
Azaperone	Pigs.....	Fat and muscle..... Kidney and liver.....	0.06 0.1	Sum of concentrations of azaperone and azaperol
Benzylpenicillin/ Procaine benzylpenicillin	Cattle and pigs	Kidney, liver and muscle.....	0.05	Benzylpenicillin
	Cattle.....	Milk.....	0.004	
	Chickens*..... Applies only to procaine benzylpenicillin	Kidney, liver and muscle.....	0.05	
Carazolol.....	All food producing species.....	Fat and muscle..... Kidney and liver.....	0.005 0.03	Carazolol
Ceftiofur.....	Cattle and pigs.....	Fat and liver..... Kidney..... Muscle.....	2.0 6.0 1.0	Desfuroyl-ceftiofur
	Cattle.....	Milk.....	0.1	
Closantel.....	Sheep.....	Fat..... Kidney..... Liver and muscle.....	2.0 5.0 1.5	Closantel
	Cattle.....	Fat and kidney..... Liver and muscle.....	3.0 1.0	
Cloxacillin.....	All food producing species.....	Fat, kidney, liver and muscle..... Milk.....	0.3 0.03	
Cyfluthrin.....	Cattle.....	Fat..... Kidney, liver and muscle..... Milk.....	0.2 0.02 0.04	Cyfluthrin
Cyhalothrin.....	Cattle and pigs.....	Muscle, liver and kidney..... Fat.....	0.02 0.4	Cyhalothrin
	Cattle.....	Milk.....	0.03	

	Sheep	Muscle and kidney... Fat..... Liver.....	0.02 0.4 0.05	
Danofloxacin...	Cattle and chickens.....	Fat..... Kidney and liver..... Muscle.....	0.1 0.4 0.2	Danofloxacin
	Pigs.....	Fat and muscle..... Kidney..... Liver.....	0.1 0.2 0.05	
Deltamethrin...	Cattle, chickens, and sheep.....	Fat..... Muscle..... Kidney and liver.....	0.5 0.03 0.05	Deltamethrin
	Cattle.....	Milk.....	0.03	
	Chickens.....	Eggs.....	0.03	
Diclazuril.....	Sheep.....	Fat..... Kidney..... Liver..... Muscle.....	1.0 2.0 3.0 0.5	Diclazuril
	Poultry.....	Fat/Skin..... Kidney..... Liver..... Muscle.....	1.0 2.0 3.0 0.5	
Dicloxacillin.....	All food producing species.....	Fat, kidney, liver and muscle..... Milk.....	0.3 0.03	
Dihydrostrepto-mycin/ Streptomycin...	Cattle, chickens, pigs and sheep.....	Fat, liver and muscle..... Kidney.....	0.6 1.0	Sum of concentrations of dihydrostreptom-ycin and streptomycin
	Cattle.....	Milk.....	0.2	
Diminazene...	Cattle.....	Kidney..... Liver..... Milk..... Muscle.....	6.0 12.0 0.15 0.5	Diminazene
Doramectin..... • Do not use muscle from injection sites	Cattle.....	Fat..... Kidney..... Liver..... Muscle.....	0.15• 0.03 0.1 0.01•	Doramectin
Enrofloxacin...	Poultry.....	Liver and muscle..... Skin.....	0.05 0.12	
Eprinomectin..	Cattle.....	Fat..... Kidney..... Liver..... Muscle..... Milk.....	0.25 0.3 2 0.1 0.02	Eprinomectin B1a
Estradiol-17β.....	Cattle.....	Fat, kidney, liver and muscle.....	Not specified ••	
Febantel.....	All food producing animals.....	Fat, kidney and muscle.....	0.1	Sum of fendazole,

		Liver.. Milk..	**0.5** 0.1	oxfendazole and oxfendazole sulfone, expressed as oxfendazole sulfone equivalents
Fenbendazole.	All food producing animals....	Fat, kidney and muscle.. Liver.. Milk..	0.1 **0.5** 0.1	Sum of fendazole, oxfendazole and oxfendazole sulfone, expressed as oxfendazole sulfone equivalents
Florfenicol.....	Cattle.....	Kidney.. Liver.. Muscle..	**0.3** **3** **0.2**	
Fluazuron.....	Cattle.....	Fat.. Kidney and liver.. Muscle..	7.0 **0.5** **0.2**	Fluazuron
Flubendazole	Pigs.....	Liver and muscle..	0.01	Flubendazole
	Poultry.....	**Eggs..** Liver.. Muscle..	**0.4** **0.5** **0.2**	
Gentamycin.....	Cattle and **pigs**	Fat and muscle.. Kidney.. Liver..	0.1 **5.0** **2.0**	Gentamycin
	Cattle.....	Milk.....	**0.2**	
Imidocarb.....	Cattle.....	Fat and milk.. Kidney.. Liver.. Muscle..	**0.05** 1.5 **2.0** **0.3**	Imidocarb
Isometamidium	Cattle.....	Fat, milk and muscle. Kidney.. Liver..	0.1 **1.0** **0.5**	Isometamidium
Ivermectin.....	Cattle., ...	Fat.. Liver..	**0.04** 0.1	22, 23-Dihydro-avermectin B_{1a} (H_2B_{1a})
	Pigs and **sheep...**	Fat.. Liver..	**0.02** 0.01**5**	
Levamisole.....	Cattle, sheep, **pigs** and poultry.....	Fat, kidney and muscle.. Liver..	0.01 0.1	Levamisole
	Cattle.....	Milk.....	0.01	
Lincomycin.....	Cattle and sheep.....	Fat and muscle.. Kidney.. Liver..	**0.1** 1.5 **0.5**	Lincomycin
	Cattle.....	Milk..,.....	**0.15**	

	Chickens.....	Fat.....	0.1	
		Kidney and liver.....	**0.5**	
		Muscle.....	**0.2**	
	Pigs.....	Fat.....	**0.1*****	
	***Additional MRL for skin with adhering fat of 0.3 mg/kg	Kidney.....	**1.5**	
		Liver.....	**0.5**	
		Muscle.....	**0.2**	
Monensin.....	All food producing species.....	Fat. kidney, liver and muscle.....	0.05	
Moxidectin (Very high concentration and great variation in the level of residues at the injection site in cattle over a **49** day period after dosing)	Cattle.....	Fat.....	0.5	Moxidectin
		Kidney.....	0.05	
		Liver.....	**0.1**	
		Muscle.....	**0.02**	
	Sheep.....	Fat.....	**0.5**	
		Kidney and muscle.....	**0.05**	
		Liver.....	0.1	
Neomycin.....	Cattle. chickens. goats. pigs and sheep.....	Fat. liver and muscle.....	**0.5**	Neomycin
		Kidney.....	10	
	Cattle.....	Milk.....	**1.5**	
	Chicken.....	Eggs.....	**0.5**	
Netobimin.....	All food producing species.....	Fat. milk and muscle.....	0.1	Albendazole and its metabolites
		Kidney and liver.....	5.0	
Nicarbazin.....	Chickens (broilers).....	Fat. kidney. liver and muscle.....	0.2	N, **N'-bis-(4-**nitrophenyl)urea
Oxacillin.....	All food producing species.....	Fat. kidney. liver and muscle.....	0.3	
		Milk.....	**0.03**	
Oxfendazole.....	All food producing animals.....	Fat. kidney and muscle.....	0.1	**Sum of** fendazole. oxfendazole and oxfendazole sulfone. expressed as **oxfendazole** sulfone equivalents
		Liver.....	0.5	
		Milk.....	0.1	
Progesterone.....	Cattle.....	Fat. kidney. liver and muscle.....	Not specified ••	
Ractopamine.....	Pigs.....	Fat.....	**0.021**	
		Kidney.....	**0.655**	
		Liver.....	**0.424**	
		Muscle.....	**0.024**	
Sarafloxacin.....	Poultry.....	Fat.....	**0.02**	Sarafloxacin
		Kidney and liver.....	**0.08**	

		Muscle	0.01	
Spectinomycin	Cattle, chickens, pigs and sheep	Fat and liver Kidney Muscle	2.0 **5.0** **0.5**	Spectinomycin
	Cattle	Milk	**0.2**	
	Chickens	Eggs	**2.0**	
Spiramycin	Cattle	Fat and kidney Milk Muscle Liver	**0.3** 0.2 **0.2** **0.6**	Sum of spiramycin and neospiramycin
	Pigs	Kidney Liver Muscle	**0.3** **0.6** **0.2**	
	Chickens	Fat Liver Muscle	**0.3** [illegible] **0.2**	
Suiphadimidine	**All** food producing species	Fat, kidney, liver and muscle Milk	0.1 **0,025**	Sulphadimidine
Sulphonamides., (All substances belonging to the sulphonamide group)	All food producing species	Fat, kidney, liver, milk and muscle	0.1	The combined total residues o all substance: within the sulphonamide group shall not exceed 0.1
Testosterone	Cattle	Fat, kidney, liver and muscle	Not specified ••	
Tetracyclines (Group: oxytetracycline, chlortetracycline and tetracycline)	All food producing species	Kidney Liver Muscle	1.2••• 0.6••• 0.2•••	The combined total residues of all substances within the tetracycline group shall not exceed the limits indicated
	Cattle	Milk	0.1•••	
	Chickens	Eggs	0.4•••	
	Fish * applies only to oxytetracyclin..,	Muscle	0.1•••	
Thiabendazole The MRL also covers residues derived from feed containing the residues resulted from agricultural use	Cattle, goats, pigs and sheep	Fat, kidney, liver and muscle	0.1	Sum of thiabendazole and 5-hydroxy-thiabendazole
	Cattle and goats	Milk	0.1	
Tiamulin	Pigs	Liver Muscle	**0.05**	
	Poultry	Fat and muscle Liver	**0.05** 0.26	

Tilmicosin.....	Cattle, pigs and sheep.....	Fat and muscle.....	0.1	Tilmicosin.....
	Cattle and sheep.....	Kidney.....	**0.3**	
		Liver.....	1.0	
	Pigs.....	Kidney.....	1.0	
		Liver.....	1.5	
Toltrazuril.....	Chickens..... *For chickens, this MRL relates to fat and skin in natural proportions	Fat.....	0.2*	Toltrazuril sulfone
		Kidney.....	0.4	
		Liver.....	0.6	
		Muscle.....	0.1	
		Fat.....	0.15**	
		Kidney.....	**0.25**	
		Liver.....	0.5	
		Muscle.....	0.1	
Trenbolone acetate.....	Cattle.....	Liver.....	0.01	α-Trenbolone
	Cattle.....	Muscle.....	0.002	β-Trenbolone
Triclabendazole..	Cattle.....	Fat.....	0.1	Expressed as 5-chloro-6-(2',3'-dichloro-phenoxy)-benzimidazole-2-one)
		Kidney and liver.....	0.3	
		Muscle.....	0.2	
	Sheep.....	Fat, kidney, liver and muscle.....	0.1	
Trimethoprim...	All food producing species.....	Fat, kidney, liver, milk, and muscle.....	0.05	
Zeranol.....	Cattle.....	Liver.....	0.01	Zeranol
		Muscle.....	0.002	
Zilpaterol.....	Cattle.....	Fat.....	0.0003	
		Kidney.....	0.014	
		Liver.....	**0.022**	
		Muscle.....	**0.0012**	

• High concentration of residue at injection site over a period of 35 days after subcutaneous or intramuscular administration of the drug at the recommended dose

• • MRL "not specified means that available data on the identity and concentration of residues of the veterinary drug in animal tissues indicate a wide margin of safety for consumption of residues in food when the drug is used according to good practice in the use of veterinary drugs. For that reason, and for the reasons stated in the individual evaluation, the Joint Expert Committee for Food Additives of the World Health Organization (WHO) and the Food and Agricultural Organization of the United Nations **(FAO)** concluded that the presence of drug residues in the named animal product does not present a health concern and that there is no need to specify a numerical **MRL**

■■■Singly ■■n combination

Addition of Annex 2 to the Regulations

I **Substance**	II **Species**	H **Foodstuff**
Aristolochia spp and preparations.....	All **food** producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Carbadox.....	All food producing species.....	Eggs, fat, kidney, liver, meat, **and** milk.....
Cefuroxime.....	Cattle.....	Milk.....
[illegible]	species.....	and milk.....
Chloroform.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Chlorpromazine.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Colchicine.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Dapsone.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Diethylstilboestrol.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Ipronidazole.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Metronidazole.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Nitrofurans (including furazolidone).....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Organic arsenicals.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Phenylbutazone.....	All food producing species.....	Eggs, fat, kidney, liver, meat, and milk.....
Phoxim.....	Cattle.....	Fat, kidney, liver, meat, and milk.....

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MINISTER OF HEALTH
21.2.2006