

NORMATIVE INSTRUCTION NO. 51 OF 19 DECEMBER 2019

Establishes the list of maximum residue limits (MRL), acceptable daily intake (ADI), and acute reference dose (ARfD) for active pharmaceutical ingredients (API) of veterinary medicinal products in foods of animal origin.

The Collegiate Board of Directors of the Brazilian Health Regulatory Agency, in the use of the attributions vested in it under Article 15, items III and IV, and Article 7, items III and IV of Law no. 9,782 of 26 January 1999, and item VI, paragraphs 1 and 3 of Article 53 of the Internal Regulation approved by the Collegiate Board Resolution – RDC no. 255 of 10 December 2018, in a meeting held on 17 December 2019, hereby determines:

Article 1. This Normative Instruction establishes the list of maximum residue limits (MRL), acceptable daily intake (ADI), and acute reference dose (ARfD), when applicable, for active pharmaceutical ingredients (API) of veterinary medicinal products in foods of animal origin, in conformity with the provisions in Resolution RDC no. 328 of 19 December 2019, which provides for the assessment of risk to human health of veterinary medicinal products and the methods of analysis for the purposes of conformity assessment.

Article 2. The list of ADI, ARfD, and MRL for API of veterinary medicinal products in foods of animal origin is defined in Annex I.

Paragraph 1. The MRL for poultry and swine fat includes skin in natural proportions.

Paragraph 2. The MRL for fish muscle includes skin in natural proportions.

Article 3. The list of APIs of veterinary medicinal products in foods of animal origin with unrequired MRL is defined in Annex II.

Paragraph 1. The different hydration levels of APIs that are source of vitamins and minerals listed in Annex II are considered as included.

Paragraph 2. The APIs that are source of nutrients considered safe for human consumption, according to food health legislation, are considered as included.

Article 4. The list of APIs with non-recommended MRL is defined in Annex III.

Article 5. Residues from APIs or their metabolites that are not listed in Annexes I or II of this Normative Instruction, or that have a non-recommended MRL, cannot be detected in foods of animal origin.

Sole paragraph. For veterinary medicinal products authorized in Brazil until the date this Normative Instruction is published, and that have in their formulation APIs without an MRL published in Annexes I or II, a limit lower than or equal to 10 micrograms (mcg) per kilo (Kg) in the analyzed matrix shall be tolerated, during the adequacy period provided for in Resolution no. 328 of 2019.

Article 6. This Normative Instruction enters into force on the date of its publication.

WILLIAM DIB

Director-President

ANNEX I

LIST OF ADI, ARfD, AND MRL FOR API WITH AUTHORIZED USE

API	ADI (mcg/Kg p.c.)	ARfD (mcg/Kg p.c.)	Marker residue	Animal species	Tissue	MRL (mcg/Kg)	Note
					Liver	100	
				Bovine	Kidney	50	
					Fat	100	
ABAMECTIN	0 - 2 (sum abamectin and isomer (Z)-8.9)		Avermectin B1a		Muscle	20	Do not use in animals that produce milk for human consumption.
				Ovine	Liver	25	
					Kidney	20	
					Fat	50	
HYDROCORTISONE ACEPONATE	Not established		Sum of hydrocortisone and its esters after alkaline hydrolysis expressed as hydrocortisone	Ruminants and equines	Milk (mcg/L)	10	Exclusively for intramammary use.
					Other matrices	Not required	
					Muscle	0.5	
					Liver	0.5	
FLUGESTONE ACETATE	0.03		Flugestone acetate	Ovine and caprine	Kidney	0.5	Exclusively for intravaginal use with zootechnical purposes

					Fat	0.5	
					Milk (mcg/L)	1	
					Muscle	1	
MELENGESTROL ACETATE	0 – 0.03		Melengestrol acetate	Bovine	Liver	10	
					Kidney	2	
					Fat	18	
					Muscle	100	
					Liver	200	
				Bovine	Kidney	400	
					Fat	100	
CLAVULANIC ACID	50		Clavulanic acid		Milk (mcg/L)	200	
					Muscle	100	
					Liver	200	
				Porcine	Kidney	400	
					Fat/Skin	100	
					Muscle	100	
OXOLINIC ACID	2.5		Oxolinic acid	All species intended for food production	Liver	150	Do not use in animals that produce milk or eggs for human consumption.
					Kidney	150	
					Fat	50	MRLs for fat, liver, and kidney are not

							applied to fish.
					Muscle	50	
				Bovine	Liver	400	
					Kidney	100	
TOLFENAMIC ACID	10		Tolfenamic acid		Milk (mcg/L)	50	
					Muscle	50	
				Porcine	Liver	400	
					Kidney	100	
					Muscle	100	
					Liver	5000	
				Bovine	Kidney	5000	
					Fat	100	
					Milk (mcg/L)	100	
					Muscle	100	
				Equine	Liver	5000	
					Kidney	5000	
					Fat	100	
					Muscle	100	
					Liver	5000	
ALBENDAZOLE	0 - 50		2-amino sulphone (expressed as albendazole), except milk	Caprine	Kidney	5000	
					Fat	100	

					Milk (mcg/L)	100	
					Muscle	100	
					Liver	5000	
				Ovine	Kidney	5000	
					Fat	100	
					Milk (mcg/L)	100	
					Muscle	100	
				Poultry	Liver	5000	
					Kidney	5000	
					Fat	100	
				Porcine	Liver	2	
ALTRENOGEST (ALLYL TRENBOLONE)	0.04		Altrenogest		Fat/Skin	4	Exclusively for zootechnical use
					Equine	Liver	
					Fat	4	
					Muscle	Not required	
					Liver	200	
				Bovine	Kidney	200	
					Fat	200	
					Milk (mcg/L)	10	
					Liver	100	
				Caprine	Kidney	200	
					Fat	200	

			Sum of amitraz and all its metabolites containing the fraction of 2.4-DMA (expressed as amitraz)		Milk (mcg/L)	10	
AMITRAZ	0 - 10				Liver	100	
				Ovine	Kidney	200	
					Fat	400	
					Milk (mcg/L)	10	
					Liver	200	
				Porcine	Kidney	200	
					Fat/Skin	400	
				Bee	Honey	200	
					Muscle	50	
					Liver	50	
				Bovine	Kidney	50	
					Fat	50	
					Milk (mcg/L)	4	
					Muscle	50	
					Liver	50	
				Ovine	Kidney	50	
					Fat	50	
					Milk (mcg/L)	4	
AMOXICILLIN	0 - 2	5	Amoxicillin		Muscle	50	Do not use in animals that
				Porcine	Liver	50	

							produce eggs for human consumption.
					Kidney	50	
					Fat/Skin	50	
					Muscle	50	
					Liver	50	
				Caprine	Kidney	50	
					Fat	50	
					Milk (mcg/L)	4	
					Muscle	50	
				Poultry	Liver	50	
					Kidney	50	
					Fat/Skin	50	
					Muscle	50	
					Liver	50	
				Bovine	Kidney	50	
					Fat	50	
					Milk (mcg/L)	4	
					Muscle	50	
				Equine	Liver	50	
					Kidney	50	
					Fat	50	
					Muscle	50	

					Liver	50	
				Caprine	Kidney	50	
					Fat	50	
					Milk (mcg/L)	4	
AMPICILLIN	0 - 3	$\frac{1}{2}$	Ampicillin		Muscle	50	Do not use in animals that produce eggs for human consumption.
				Ovine	Liver	50	
					Kidney	50	
					Fat	50	
					Muscle	50	
				Porcine	Liver	50	
					Kidney	50	
					Fat/Skin	50	
					Muscle	50	
				Poultry	Liver	50	
					Kidney	50	
					Fat/Skin	50	
				Fish	Muscle/Skin	50	
					Muscle	1000	
				Bovine	Liver	10000	
					Kidney	20000	
					Fat Kidney	1000	

APRAMYCIN	40		Apramycin	Chicken	-	Not required	Exclusively for oral use. Do not use in animals that produce milk or eggs for human consumption.
				Porcine	-	Not required	
				Ovine	-	Not required	
				Rabbit	-	Not required	
				Caprine	Liver	2000	
					Kidney	2000	
					Muscle	200	
				Chicken and turkey	Liver	300	
					Kidney	200	
					Fat/Skin	200	
					Muscle	200	
AVILAMYCIN	0 - 2000		Dichloroisoevernic acid (DIA)	Rabbit	Liver	300	Do not use in animals that produce eggs for human consumption
					Kidney	200	
					Fat/Skin	200	
					Muscle	200	
				Porcine	Liver	300	
					Kidney	200	
					Fat/Skin	200	
					Muscle	60	

AZAPERONE	0 - 6	Sum of Azaperone and Azaperol	Porcine	Liver	100	
				Kidney	100	
				Fat	60	
			Bovine	All tissues, except milk	Not required	
				Milk (mcg/L)	100	
				Muscle	500	
			Porcine	Liver	500	
				Kidney	500	
				Fat/Skin	500	
BACITRACIN	3,9	Sum of Bacitracin A, Bacitracin B, and Bacitracin C		Muscle	150	Exclusively for intramammary use in lactating cows.
			Rabbit	Liver	150	
				Kidney	150	
				Fat	150	
				Muscle	500	
				Liver	500	
			Chicken, turkey, and quail	Kidney	500	
				Fat	500	
				Egg	500	
				Liver	300	

				Bovine	Kidney	150	
					Fat	10	
BAQUILOPRIM	10		Baquiloprim		Milk (mcg/L)	30	
					Liver	50	
				Porcine	Kidney	50	
					Fat/Skin	40	
					Muscle	50	
				Bovine	Liver	50	
					Kidney	50	
					Milk (mcg/L)	4	
					Muscle	50	
				Equine	Liver	50	
					Kidney	50	
					Fat	50	
					Muscle	50	
				Porcine	Liver	50	
					Kidney	50	
					Muscle	50	
					Liver	50	
				Ovine	Kidney	50	
					Fat	50	
					Milk (mcg/L)	4	
BENZYL PENICILLIN /	0,5		Benzylopenicillin		Muscle	50	

BENZYLPENICILIN PROCAINE					Liver	50	
				Caprine	Kidney	50	
					Fat	50	
					Milk (mcg/l)	4	
					Muscle	50	Applied to benzylpenicillin procaine only. Do not use in animals that produce eggs for human consumption.
				Chicken	Liver	50	
					Kidney	50	
					Muscle	50	
				Turkey	Liver	50	Applied to benzylpenicillin G only.
					Kidney	50	
					Fat/Skin	50	
				Fish	Muscle/Skin	50	
EMAMECTIN BENZOATE	0 – 0.5		Emamectin B1a	Fish	Muscle/Skin	100	
					Muscle	0.75	
				Bovine	Liver	2	
					Kidney	0.75	
BETAMETHASONE	0.015		Betamethasone		Milk (mcg/L)	0.3	
					Muscle	0.75	
				Porcine	Liver	2	
					Kidney	0.75	

				Muscle	0.15	
				Liver	0.25	
CABERGOLINE	0.03	Cabergoline	Bovine	Kidney	0.5	
				Fat	0.1	
				Milk (mcg/L)	0.1	
				Muscle	5	
				Liver	15	
			Bovine	Kidney	15	
				Fat	5	
CARAZOLOL	0 – 0.1	Carazolol		Milk (mcg/L)	1	
				Muscle	5	
			Porcine	Liver	25	
				Kidney	25	
				Fat/Skin	5	
				Muscle	500	
				Liver	1000	
			Bovine	Kidney	1000	
				Fat	1000	
CARPROFEN	10	Sum of carprofen and carprofen glucuronide conjugate		Milk (mcg/L)	Not required	
				Muscle	500	
			Equine	Liver	1000	
				Kidney	1000	
				Fat	1000	
CEFACETRILE	3.5	Cefacetrile	Bovine	Milk (mcg/L)	125	Exclusively for intramammary use.
				All tissues, except milk	Not required	

				Muscle	200	
				Liver	200	
CEFALEXIN	54.4	Cefalexin	Bovine	Kidney	1000	
				Fat	200	
				Milk (mcg/L)	100	
CEFALONIUM	15.3	Cefalonium	Bovine	All tissues, except milk	Not required	Exclusively for intramammary use and ophthalmological treatment.
				Milk (mcg/L)	20	
				Muscle	50	
CEPHAPIRIN	2.54	Sum of cephapirin and desacetyl-cephapirin	Bovine	Kidney	100	
				Fat	50	
				Milk (mcg/L)	60	
			Bovine	Milk (mcg/L)	50	
				Other tissues	Not required	
CEFAZOLIN	10	Cefazolin	Ovine	Milk (mcg/L)	50	For intramammary use, except if the udder may be used as food for human consumption.
				Other tissues	Not required	
			Caprine	Milk (mcg/L)	50	
				Other tissues	Not required	
CEFOPERAZONE	2.8	Cefoperazone	Bovine	All tissues, except milk	Not required	Exclusively for intramammary use in lactating cows.
				Milk (mcg/L)	50	
				Muscle	50	

				Liver	100	
			Bovine	Kidney	200	
				Fat	50	
				Milk (mcg/L)	20	
				Muscle	50	
CEFQUINOME	3.8	Cefquinome	Porcine	Liver	100	
				Kidney	200	
				Fat/ Skin	50	
				Muscle	50	
			Equine	Liver	100	
				Kidney	200	
				Fat	50	
				Muscle	1000	
				Liver	2000	
			Bovine	Kidney	6000	
				Fat	2000	
				Milk (mcg/L)	100	
				Muscle	1000	
CEFTIOFUR	0 - 50	Desfuroyl ceftiofur	Porcine	Liver	2000	
				Kidney	6000	
				Fat	2000	
			Poultry	Muscle, Fat/ Skin, liver, kidneys	Not required	
				Muscle	1000	
			Equine	Liver	2000	
				Kidney	6000	
				Fat	2000	
				Muscle	20	
				Liver	20	
			Bovine	Kidney	20	
				Fat	400	

				Milk (mcg/L)	30	
				Muscle	20	
CYHALOTHRIN	0 - 5	Cyhalothrin	Porcine	Liver	20	
				Kidney	20	
				Fat	400	
				Muscle	20	
			Ovine	Liver	50	
				Kidney	20	
				Fat	400	
				Muscle	20	
				Liver	20	
			Bovine	Kidney	20	
				Fat	200	
CYFLUTHRIN	0 - 20	Cyfluthrin (sum of isomers)		Milk (mcg/L)	40	
				Muscle	10	
				Liver	10	
			Caprine	Kidney	10	
				Fat	50	
				Milk (mcg/L)	20	
				Muscle	50	
				Liver	50	
			Bovine	Kidney	50	
				Fat	1000	
CYPERMETHRIN/ ALPHA- CYPERMETHRIN	0 - 20	Total amount of residues from cypermethrin (result of the use of cypermethrin or alpha-cypermethrin as veterinary medicinal product)		Milk (mcg/L)	100	
				Muscle	50	

					Liver	50	
				Ovine	Kidney	50	
					Fat	1000	
					Milk (mcg/L)	20	
					Muscle	300	
CYROMAZINE	20		Cyromazine	Ovine	Liver	300	Do not use in animals that produce milk for human consumption
					Kidney	300	
					Fat	300	
					Muscle	0.2	
					Liver	0.6	
				Bovine	Kidney	0.6	
					Fat	0.2	
CLENBUTEROL	0 – 0.004		Clenbuterol		Milk (mcg/L)	0.05	
					Muscle	0.2	
				Equine	Liver	0.6	
					Kidney	0.6	
					Fat	0.2	
					Muscle	200	
				Chicken	Liver	800	
					Kidney	350	
					Fat/Skin	1300	

					Muscle	200	
ROBENIDINE HYDROCHLORIDE	110			Turkey	Liver	400	
					Kidney	200	
					Fat/ Skin	400	
					Muscle	100	
				Rabbit	Liver	200	
					Kidney	200	
					Fat/ Skin	100	
					Muscle	0.5	
ZILPATEROL HYDROCHLORIDE	0 – 0.04	0.04	Zilpaterol (free base)	Bovine	Liver	3.5	
					Kidney	3.3	
					Fat	4	
CHLORMADINOM E	0.07		Chlormadinome	Bovine	Liver	2	Exclusively for zootechnical purposes.
					Milk (mcg/ L)	2.5	
					Muscle	35	
CLORSULON	2		Clorsulon	Bovine	Liver	100	
					Kidney	200	
					Milk (mcg/ L)	16	
					Muscle	200	
				Bovine	Liver	600	

					Kidney	1200	
					Milk (mcg/L)	100	
					Muscle	100	
				Equine	Liver	300	
					Kidney	600	
					Muscle	100	
CHLORTETRACYCLINE	0 - 30 (group ADI for chlortetracycline, oxytetracycline, and tetracycline)		Tetracycline	Caprine	Liver	300	
					Kidney	600	
					Milk (mcg/L)	100	
					Muscle	200	
				Ovine	Liver	600	
					Kidney	1200	
					Milk (mcg/L)	100	
					Muscle	200	
				Porcine	Liver	600	
					Kidney	1200	
					Muscle	200	
				Poultry	Liver	600	

					Kidney	1200	
					Egg	400	
				Fish	Muscle/Skin	100	
					Muscle	1000	
					Liver	1000	
				Bovine	Kidney	3000	
					Fat	3000	
CLOSANTEL	0 - 30		Closantel		Milk (mcg/L)	45	
					Muscle	1500	
					Liver	1500	
				Ovine	Kidney	5000	
					Fat	2000	
					Milk (mcg/L)	45	
					Muscle	300	
					Liver	300	
				Bovine	Kidney	300	
					Fat	300	
					Milk (mcg/L)	30	
					Muscle	300	
					Liver	300	
				Ovine	Kidney	300	

					Fat	300	
CLOXACILLIN	200		Cloxacillin		Milk (mcg/L)	30	Do not use in animals that produce eggs for human consumption.
					Muscle	300	
					Liver	300	
				Caprine	Kidney	300	
					Fat	300	
					Milk (mcg/L)	30	
					Muscle	300	
				Poultry	Liver	300	
					Kidney	300	
					Fat/Skin	300	
				Fish	Muscle/Skin	300	
					Muscle	150	
					Liver	150	
				Bovine	Kidney	200	
					Fat	150	
					Milk (mcg/L)	50	
					Muscle	150	
			Equine	Liver	150		
				Kidney	200		
				Fat	150		

				Muscle	150	
			Porcine	Liver	150	
				Kidney	200	
				Fat/ Skin	150	
				Muscle	150	
				Liver	150	
COLISTIN	0 - 7	Sum of Colistin A and Colistin B	Ovine	Kidney	200	
				Fat	150	
				Milk (mcg/L)	50	
				Muscle	150	
			Caprine	Liver	150	
				Kidney	200	
				Fat	150	
				Muscle	150	
				Liver	150	
			Poultry	Kidney	200	
				Fat/ Skin	150	
				Egg	300	
			Fish	Muscle / Skin	150	
				Liver	1000	
			Bovine	Kidney	1000	
COUMAPHOS	0.25	Sum of coumaphos and its analogue oxides, expressed as coumaphos.		Fat	1000	
				Milk (mcg/L)	500	
			Bee	Honey	100	
				Muscle	200	

				Liver	400	
			Bovine	Kidney	400	
				Fat	100	
				Milk (mcg/L)	30	
				Muscle	100	
			Porcine	Liver	50	
				Kidney	200	
				Fat	100	
				Muscle	200	
DANOFLOXACIN	0 - 20	Danofloxacin	Chicken	Liver	400	Do not use in animals that produce eggs for human consumption.
				Kidney	400	
				Fat/ Skin	100	
				Muscle	200	
				Liver	400	
			Ovine and caprine	Kidney	400	
				Fat	100	
				Milk (mcg/L)	30	
			Fish	Muscle / Skin	100	
				Muscle	30	
				Liver	50	
			Bovine	Kidney	50	
				Fat	500	
				Milk (mcg/L)	30	
				Muscle	30	
				Liver	50	
			Ovine	Kidney	50	

				Fat	500	
				Milk (mcg/L)	20	
				Muscle	10	
				Liver	10	
DELTRAMETHRIN	0 - 10	Deltamethrin	Caprine	Kidney	10	
				Fat	50	
				Milk (mcg/L)	20	
				Muscle	30	
				Liver	50	
			Chicken	Kidney	50	
				Fat	500	
				Egg	30	
			Salmon	Muscle / Skin	30	
			Other fish species	Muscle / Skin	10	
				Muscle	0.3	
DERQUANTEL	0 - 0.3	Derquantel	Ovine	Liver	0.8	Do not use in animals that produce milk for human consumption.
				Kidney	0.4	
				Fat	7	
				Muscle	1	
				Liver	2	
			Bovine	Kidney	1	
				Fat	Not required	
				Milk (mcg/L)	0.3	
				Muscle	1	
			Equine	Liver	2	

				Kidney	1	
DEXAMETHASON E	0 – 0.015	Dexamethason e		Fat	Not required	
				Muscle	1	
			Porcine	Liver	2	
				Kidney	1	
				Fat	Not required	
				Muscle	0.75	
				Liver	2	
			Caprine	Kidney	0.75	
				Fat	Not required	
				Milk (mcg/L)	0.3	
				Muscle	20	
				Liver	20	
			Bovine, ovine, and caprine	Kidney	20	
				Fat	700	
DIAZINON	0 - 2	Diazinon		Milk (mcg/L)	20	
				Muscle	20	
			Porcine	Liver	20	
				Kidney	20	
				Fat/Skin	700	
				Muscle	150	
DICYCLANIL	0 - 7	Dicyclanil	Ovine	Liver	125	Do not use in animals that produce milk for human consumption.
				Kidney	125	

				Fat	200	
				Muscle	500	
			Ovine	Liver	3000	
				Kidney	2000	
				Fat	1000	Exclusively for oral use.
			Bovine	-	Not required	
			Porcine	-	Not required	
			Caprine	-	Not required	
DICLAZURIL	0 - 30	Diclazuril		Muscle	500	
			Poultry	Liver	3000	
				Kidney	2000	
				Fat/Skin	1000	Do not use in animals that produce eggs for human consumption.
				Muscle	500	
			Rabbit	Liver	3000	
				Kidney	2000	
				Fat	1000	
				Muscle	5	
				Liver	5	
			Bovine	Kidney	10	
				Fat	1	
DICLOFENAC	0.5	Diclofenac		Milk (mcg/L)	0.1	
				Muscle	5	
			Porcine	Liver	5	
				Kidney	10	

				Fat/ Skin	1	
				Muscle	300	
				Liver	300	Do not use in animals that produce eggs for human consumption. The MRLs for fat, liver, and kidney are not applied to fish
DICLOXACILLIN	600	Dicloxacillin	All species intended for food production	Kidney	300	
				Fat	300	
				Milk (mcg/L)	30	
				Muscle	400	
			Bovine	Liver	1400	
				Kidney	800	
				Fat	100	
				Muscle	400	
			Ovine	Liver	1400	
				Kidney	800	
				Fat	100	
				Muscle	400	
DIFLOXACIN	600	Difloxacin	Caprine	Liver	1400	Do not use in animals that produce milk or eggs for human consumption.
				Kidney	800	
				Fat	100	
				Muscle	400	
			Porcine	Liver	800	
				Kidney	800	
				Fat/ Skin	100	
				Muscle	300	
			Poultry	Liver	1900	

				Kidney	600	
				Fat/ Skin	400	
DIFLUBENZURON	0 - 20	Diffubenzuron	Salmon	Muscle/ Skin	10	
				Muscle	500	
DIMINAZEN	0 - 100	Diminazen	Bovine	Liver	12000	
				Kidney	6000	
				Milk (mcg/L)	150	
				Muscle	100	
				Liver	100	
			Bovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	50	
				Muscle	100	
DIPYRONE SODIUM (METAMIZOLE)	10	4- methylamino- antipyrine	Equine	Liver	100	
				Kidney	100	
				Fat	100	
				Muscle	100	
			Porcine	Liver	100	
				Kidney	100	
				Fat/ Skin	100	
				Muscle	10	
				Liver	100	
			Bovine	Kidney	30	
				Fat	150	
				Milk (mcg/L)	15	
DORAMECTIN	0 - 1	Doramectin		Muscle	5	
			Porcine	Liver	100	
				Kidney	30	
				Fat	150	

				Muscle	40	
			All mammals, except bovines and porcine	Liver	100	
				Kidney	60	
				Fat	150	
				Muscle	100	
			Bovine	Liver	300	
				Kidney	600	
				Fat	300	
				Muscle	100	
			Ovine	Liver	300	
				Kidney	600	
				Fat	300	
				Muscle	100	
DOXYCYCLINE	3	Doxycycline	Caprine	Liver	300	Do not use in animals that produce milk or eggs for human consumption.
				Kidney	600	
				Fat	300	
				Muscle	100	
			Porcine	Liver	300	
				Kidney	600	
				Fat/ Skin	300	
				Muscle	100	
			Poultry	Liver	300	
				Kidney	600	
				Fat/ Skin	300	
				Muscle	100	
				Liver	300	
			Bovine	Kidney	200	
				Fat	100	
				Milk (mcg/L)	100	

				Muscle	100	
			Equine	Liver	200	
				Kidney	200	
				Fat	100	
				Muscle	100	
			Porcine	Liver	200	
				Kidney	300	
ENROFLOXACIN	6,2	Sum of enrofloxacin and ciprofloxacin		Fat/Skin	100	Do not use in animals that produce eggs for human consumption.
				Muscle	100	
				Liver	300	
			Ovine and caprine	Kidney	200	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Rabbit	Liver	200	
				Kidney	300	
				Fat/Skin	100	
				Muscle	100	
			Poultry	Liver	200	
				Kidney	300	
				Fat/Skin	100	
			Fish	Muscle/Skin	100	
				Muscle	100	
				Liver	2000	
			Bovine	Kidney	300	
				Fat	250	
EPRINOMECTIN	0 - 10	Eprinomectin B1a		Milk (mcg/L)	20	
				Muscle	50	
				Liver	1500	

			Other ruminants	Kidney	300	
				Fat	250	
				Milk (mcg/L)	20	
				Muscle	200	
				Liver	200	
			All species, except chicken, turkey, and fish	Kidney	200	
				Fat	200	
				Milk (mcg/L)	40	
ERYTHROMYCIN	0 – 0.7	Erythromycin A		Egg	150	
				Muscle	100	
				Liver	100	
			Chicken and turkey	Kidney	100	
				Fat/Skin	100	
				Egg	50	
			Fish	Muscle/Skin	100	
				Muscle	500	

				Liver	2000	
			Bovine	Kidney	5000	
				Fat	2000	
				Milk (mcg/L)	200	
				Muscle	500	
			Porcine	Liver	2000	
				Kidney	5000	
				Fat	2000	
				Muscle	500	
			Ovine	Liver	2000	
SPECTINOMYCIN	0 - 40	Spectinomycin		Kidney	5000	
				Fat	2000	
				Muscle	300	
				Liver	1000	
			Caprine	Kidney	5000	
				Fat	500	
				Milk (mcg/L)	200	
				Muscle	500	
				Liver	2000	
			Chicken	Kidney	5000	

				Fat	20 00	
				Egg	20 00	
				Mus cle	20 0	
				Liver	60 0	
			Bovin e	Kidn ey	30 0	
				Fat	30 0	
				Milk (mcg /L)	20 0	
				Mus cle	20 0	
SPIRAMYCIN	0 - 50	Sum of spiramycin and neospiramycin	Chick en	Liver	60 0	Do not use in animals that produce eggs for human consump tion.
				Kidn ey	80 0	
				Fat	30 0	
				Mus cle	20 0	
			Porcin e	Liver	60 0	
				Kidn ey	30 0	
				Fat	30 0	
				Mus cle	60 0	
				Liver	60 0	

			Bovine	Kidney	1000	
				Fat	600	
				Milk (mcg/L)	200	
				Muscle	600	
			Porcine	Liver	600	
				Kidney	1000	
				Fat	600	
				Muscle	600	
				Liver	600	
STREPTOMYCIN/ DIHYDROSTREPTOMYCIN	0 - 50 (group ADI streptomycin and dihydrostreptomycin)	Sum of dihydrostreptomycin and streptomycin	Ovine	Kidney	1000	
				Fat	600	
				Milk (mcg/L)	200	
				Muscle	500	
				Liver	500	
			Caprine	Kidney	1000	
				Fat	500	
				Milk (mcg/L)	200	
				Muscle	500	

			Rabbit	Liver	500	
				Kidney	1000	
				Fat	500	
				Muscle	100	
				Liver	500	
			Bovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Equine	Liver	500	
				Kidney	100	
				Fat	100	
				Muscle	100	
				Liver	500	
			Caprine	Kidney	100	
				Fat	100	
FEBANTEL/ FENBENDAZOLE	0 - 7 (group ADI: Febantel/ Fenbendazole/ Oxfendazole)	Sum of extractable residues that can be oxidized in oxfendazole sulfone		Milk (mcg/L)	10	For poultry, the MRL is applied to fenbendazole only.

				Muscle	100	
				Liver	500	
			Ovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	50	
				Liver	500	
			Poultry	Kidney	50	
				Fat	50	
				Egg	1300	
				Muscle	100	
			Porcine	Liver	500	
				Kidney	100	
				Fat	100	
				Muscle	25	
			Porcine	Liver	25	
				Kidney	25	
PHENOXYMETHYL PENICILLIN (PENICILLIN V)	0.5	Phenoxymethylpenicillin		Muscle	25	
				Liver	25	
			Poultry	Kidney	25	
				Fat/Skin	25	

				Egg	25	
				Muscle	25	
				Liver	25	
FENVALERATE	0 - 20	Fenvalerate (Sum of isomers RR, SS, RS, and SR)	Bovine	Kidney	25	
				Fat	250	
				Milk (mcg/L)	40	
				Muscle	10	
FIROCOXIB	0.215 (temporary ADI)	Firocoxib	Equine	Liver	60	
				Kidney	10	
				Fat	15	
				Muscle	200	
			Bovine, ovine, and caprine	Liver	3000	
				Kidney	300	
				Muscle	300	
			Porcine	Liver	2000	
				Kidney	500	
				Fat/Skin	500	
FLORFENICOL	3	Sum of florfenicol and its metabolites marked as	Fish	Muscle/Skin	1000	Do not use in animals that

		florfenicol amine				produce milk or eggs for human consump tion.
				Mus cle	10 0	
			Poultr y	Liver	25 00	
				Kidn ey	75 0	
				Fat/ Skin	20 0	
				Mus cle	10 0	
			Other anima l specie s	Liver	20 00	
				Kidn ey	30 0	
				Fat	20 0	
				Mus cle	20 0	
				Liver	50 0	
FLUAZURON	0 - 40	Fluazuron	Bovin e	Kidn ey	50 0	
				Fat	70 00	
				Milk (mcg /L)	20 0	
			Porcin e	Mus cle	10	
				Liver	10	
FLUBENDAZOLE	0 - 12	Flubendazole		Mus cle	20 0	
			Poultr y	Liver	50 0	

				Egg	40 0	
				Muscle	50 0	
			Bovine	Liver	50 0	
				Kidney	30 00	
				Fat	10 00	
				Muscle	50 0	
			Chicken	Liver	50 0	
				Kidney	30 00	
				Fat	10 00	
FLUMEQUINE	0 - 30	Flumequine		Muscle	50 0	Do not use in animals that produce eggs for human consumption.
			Porcine	Liver	50 0	
				Kidney	30 00	
				Fat	10 00	
				Muscle	50 0	
			Ovine	Liver	50 0	
				Kidney	30 00	
				Fat	10 00	

			Trout	Muscle/Skin	500	
				Muscle	10	
				Liver	20	
			Bovine	Kidney	10	
				Fat	150	
FLUMETHRIN	1.8	Flumethrin (sum of trans- Z isomers)		Milk (mcg /L)	30	Do not use in ovine that produce milk for human consumption.
				Muscle	10	
			Ovine	Liver	20	
				Kidney	10	
				Fat	150	
				Muscle	20	
				Liver	300	
			Bovine	Kidney	100	
				Fat	30	
				Milk (mcg /L)	40	
				Muscle	10	
FLUNIXIN	6	Flunixin/ 5-hydroxyflunixin	Equine	Liver	100	
				Kidney	200	
				Fat	20	

				Muscle	50	
			Porcine	Liver	200	
				Kidney	30	
				Fat/Skin	10	
				Muscle	65	
				Liver	650	
FLURALANER	10	Fluralaner	Poultry	Kidney	420	
				Fat/Skin	650	
				Egg	1300	
				Muscle	50	
			Ovine	Fat	400	
				Kidney	50	
				Liver	50	
				Muscle	50	
PHOXIM	3.75	Phoxim	Porcine	Fat/Skin	400	Do not use in animals that produce milk for human consumption.
				Kidney	50	
				Liver	50	
				Muscle	25	
				Fat/Skin	550	

			Poultry	Kidney	30	
				Liver	50	
				Egg	60	
				Muscle	500	
				Liver	5500	
FRAMYCETIN	60	Neomycin B	All species	Kidney	9000	MRLs for fat, liver, and kidney do not apply to fish.
				Fat	500	
				Milk (mcg/L)	1500	
				Egg	500	
				Liver	200	
			Bovine	Kidney	100	
				Fat	20	
GAMITHROMYCIN	10	Gamithromycin		Muscle	100	Do not use in ovine that produce milk for human consumption.
			Porcine	Liver	100	
				Kidney	300	
				Fat/Skin	100	

				Muscle	100	
				Liver	2000	
			Bovine	Kidney	5000	
				Fat	100	
				Milk (mcg/L)	200	
				Muscle	50	
GENTAMICIN	0 - 20	Gentamicin	Equine	Liver	200	
				Kidney	750	
				Fat	50	
				Muscle	100	
			Porcine	Liver	2000	
				Kidney	5000	
				Fat	100	
				Muscle	40	
HALQUINOL	0 - 200	Sum of 5-chloroquinolin-8-ol (5-CL), 5.7dichloroquinolin-8-ol 5.7-DCL (5.7-DCL) and its metabolites glucuronide:	Porcine	Liver	9000	
		5-CLG (expressed as 5-CL equivalent) and 5.7DCLG (expressed as 5.7-DCL equivalent).		Kidney	500	
				Fat/Skin	350	

					Muscle	10	
HALOFUGINONE	0.3		Halofuginone	Bovine	Liver	30	Do not use in animals that produce milk for human consumption.
					Kidney	30	
					Fat	25	
					Muscle	50	
					Liver	50	
PENETHAMATE HYDROIODIDE			Benzympenicillin	All mammal species intended for food production	Kidney	50	
					Fat	50	
					Milk (mcg/L)	4	
				Bovine	Muscle	300	
					Liver	1500	
					Kidney	2000	
					Fat	50	
IMIDOCARB	0 - 10		Imidorcarb		Milk (mcg/L)	50	Do not use in ovine that produce milk for human consumption.
				Ovine	Muscle	300	
					Liver	2000	
					Kidney	1500	
					Fat	50	
					Muscle	100	
					Liver	500	

ISOMETAMIDIUM	0 - 100		Isometamidium	Bovine	Kidney	1000	
					Fat	100	
					Milk (mcg/L)	100	
					Muscle	30	
					Liver	800	
				Bovine	Kidney	100	
					Fat	400	
					Milk (mcg/L)	10	
					Muscle	30	
				Equine	Liver	100	
					Kidney	30	
IVERMECTIN	0 - 100	200	Ivermectin B1a		Fat	100	
					Muscle	10	
				Porcine	Liver	15	
					Kidney	15	
					Fat/Skin	20	
					Muscle	10	
				Ovine	Liver	15	
					Kidney	15	
					Fat	20	
					Muscle	10	
				Caprine	Liver	15	
					Kidney	15	
					Fat	20	
					Muscle	100	
					Liver	600	
KANAMYCIN	8		Kanamycin A	All species, except fish	Kidney	2500	Do not use in animals that produce eggs for human

							consumption.
					Fat	100	
					Milk (mcg/L)	150	
					Muscle	10	
				Bovine	Liver	100	
					Kidney	20	
					Fat	20	
SODIUM LASALOCID	0 - 5		Lasalocid A		Muscle	400	Do not use in animals that produce milk for human consumption.
					Liver	1200	
				Poultry	Kidney	600	
					Fat/Skin	600	
					Egg	150	
					Muscle	10	
				Bovine	Liver	100	
					Kidney	10	
					Fat	10	
					Muscle	100	
				Equine	Liver	1000	
					Kidney	1000	
					Fat	1000	
					Muscle	10	
				Porcine	Liver	100	
					Kidney	10	
					Fat	10	
LEVAMISOLE	0 - 6		Levamisole		Muscle	10	Do not use in animals that produce

							milk or eggs for human consumption.
				Ovine	Liver	100	
					Kidney	10	
					Fat	10	
					Muscle	100	
				Caprine	Liver	100 0	
					Kidney	100 0	
					Fat	100 0	
					Muscle	10	
				Poultry	Liver	100	
					Kidney	10	
					Fat	10	
					Muscle	100	
					Liver	500	
				Bovine	Kidney	150 0	
					Fat	50	
					Milk (mcg/ L)	150	
					Muscle	100	
					Liver	500	
				Ovine	Kidney	150 0	
					Fat	50	
					Milk (mcg/ L)	150	
					Muscle	100	
					Liver	500	
				Caprine	Kidney	150 0	

					Fat	50	
					Milk (mcg/ L)	150	
LINCOMYCIN	0 – 30		Lincomycin		Muscle	200	
					Liver	500	
				Porcine	Kidney	150 0	
					Fat/ Skin	300	
					Muscle	200	
					Liver	500	
				Chicken	Kidney	500	
					Fat/ Skin	300	
					Egg	50	
					Muscle	100	
					Liver	500	
				Other poultry species	Kidney	150 0	
					Fat	50	
					Egg	50	
					Muscle	30	
MADURAMICIN AMMONIUM ALPHA	1			Poultry	Liver	150	
					Kidney	100	
					Fat/ Skin	150	
					Muscle	150	
					Liver	150	

				Bovine	Kidney	150	
					Fat	50	
MARBOFLOXACIN	4.5		Marbofloxacin		Milk (mcg/L)	75	
					Muscle	150	
				Porcine	Liver	150	
					Kidney	150	
					Fat/Skin	50	
MEBENDAZOLE	12.5		Sum of mebendazole methyl (5-1(-hydroxi-1-fenil) methyl-1H-benzimidazole-2-il) methyl carbamate e , and (2-amino-1H-benzi-midazole-5-il) phenyl methanone, expressed as mebendazole equivalent		Muscle	60	Do not use in animals that produce milk for human consumption.
				Ovine, caprine, and equine	Liver	400	
				Kidney	60		
					Fat	60	
					Muscle	20	
				Bovine	Liver	65	
					Kidney	65	
					Milk (mcg/L)	15	
					Muscle	20	

				Porcine	Liver	65	
					Kidney	65	
MELOXICAM	1.25		Meloxicam		Muscle	20	
				Equine	Liver	65	
					Kidney	65	
					Muscle	20	
				Caprine	Liver	65	
					Kidney	65	
					Milk (mcg/L)	15	
					Muscle	20	
				Rabbit	Liver	65	
					Kidney	65	
					Muscle	10	
					Liver	10	
				Bovine	Kidney	10	
					Fat	10	
METHYLPREDNISOLONE	0.16		Methylprednisolone		Milk (mcg/L)	2	
					Muscle	10	
				Equine	Liver	10	
					Kidney	10	
					Fat	10	
					Muscle	10	

					Liver	100	
				Bovine	Kidney	10	
					Fat	100	
					Milk (mcg/L)	2	
					Muscle	10	
MONENSIN	0 – 10		Monensin	Ovine and caprine	Liver	20	
					Kidney	10	
					Fat	100	
					Muscle	10	
				Chicken, turkey, and quail	Liver	10	
					Kidney	10	
					Fat	100	
					Muscle	500	
MONEPANTEL	0 - 20	Not required	Monepantel-sulfone, expressed as monepantel	Ovine	Liver	7000	Do not use in animals that produce milk for human consumption.
					Kidney	1700	
					Fat	13000	
					Muscle	20	
					Liver	100	

				Bovine	Kidney	50	
					Fat	500	
					Milk (mcg/L)	40	
					Muscle	50	
					Liver	100	
MOXIDECTIN	0 - 2		Moxidectin	Ovine	Kidney	50	
					Fat	500	
					Milk (mcg/L)	40	
					Muscle	50	
				Equine	Liver	100	
					Kidney	50	
					Fat	500	
					Muscle	300	
					Liver	300	
NAFCILLIN	4.4		Nafcillin	Bovine	Kidney	300	Exclusively for intramammary use.
					Fat	300	
					Milk (mcg/L)	30	
					Muscle	15	
				Bovine	Liver	50	
					Kidney	15	
					Fat	50	
					Muscle	15	

NARASIN	0 - 5		Narasin A	Porcine	Liver	50	
					Kidney	15	
					Fat	50	
					Muscle	15	
				Chicken	Liver	50	
					Kidney	15	
					Fat	50	
					Muscle	500	
					Liver	500	
				Bovine	Kidney	10000	
					Fat	500	
					Milk (mcg/L)	1500	
					Muscle	500	
				Equine	Liver	5500	
					Kidney	9000	
					Fat	500	
					Muscle	500	
					Liver	500	
				Caprine	Kidney	10000	
					Fat	500	
					Milk (mcg/L)	1500	
					Muscle	500	
					Liver	500	
NEOMYCIN	0 - 60		Neomycin	Ovine	Kidney	10000	

				Fat	500	
				Milk (mcg/ L)	1500	
				Muscle	500	
			Porcine	Liver	500	
				Kidney	10000	
				Fat	500	
				Muscle	500	
			Rabbit	Liver	5500	
				Kidney	9000	
				Fat	500	
				Muscle	500	
				Liver	500	
			Chicken, duck, and turkey	Kidney	10000	
				Fat/ Skin	500	
				Egg	500	
				Muscle	200	
NICARBAZIN	0 - 400	N,N'-bis(4-nitrophenyl) urea	Broiler chicken	Liver	200	
				Kidney	200	
				Fat/ Skin	200	
				Muscle	400	
				Liver	20	
			Bovine	Kidney	400	
				Fat	200	

NITROXINIL	5	Nitroxinil		Milk (mcg/L)	20	
				Muscle	400	
				Liver	20	
			Ovine	Kidney	400	
				Fat	200	
				Milk (mcg/L)	20	
				Muscle	0.2	
				Liver	0.2	
NORGESTOMET	0.01	Norgestomet	Bovine	Kidney	0.2	Exclusively for therapeutic and zootechnical purposes.
				Fat	0.2	
				Milk (mcg/L)	0.12	
NOVOBIOCIN	1.25	Novobiocin	Bovine	All tissues, except milk	Not required	Exclusively for intramammary use.
				Milk (mcg/L)	50	
				Muscle	100	
				Liver	500	
			Bovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	

				Muscle	100	
			Equine	Liver	500	
				Kidney	100	
				Fat	100	
OXFENDAZOLE	0 - 7 (Group ADI: Febantel/ Fenbendazole / Oxfendazole)	Sum of extractable residues that can be oxidized to oxfendazole sulfone		Muscle	100	
				Liver	500	
			Ovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Caprine	Liver	500	
				Kidney	100	
				Fat	100	
				Muscle	100	
OXIBENDAZOLE	60	Oxibendazole	Porcine	Liver	200	
				Kidney	100	
				Fat/Skin	500	
				Muscle	20	
				Liver	500	
			Bovine	Kidney	100	
				Fat	20	

OXYCLOZANID E	30	Oxyclozanid e		Milk (mcg/ L)	10	
				Muscl e	20	
			Ovine	Liver	500	
				Kidne y	100	
				Fat	20	
				Muscl e	200	
			Bovine	Liver	600	
				Kidne y	1200	
				Milk (mcg/ L)	100	
				Muscl e	200	
			Ovine	Liver	600	
				Kidne y	1200	
				Milk (mcg/ L)	100	
				Muscl e	200	
OXYTETRACYC LINE	0 - 30 (Group ADI for chlortetracycl ine, oxytetracycli ne, and tetracycline)	Tetracycline	Porcine	Liver	600	
				Kidne y	1200	
				Muscl e	200	
			Poultry	Liver	600	
				Kidne y	1200	
				Egg	400	

			Giant shrimp (<i>Penaeus monodon</i>)	Muscle	200	
			Fish	Muscle/Skin	200	
				Muscle	50	
				Liver	50	
PERMETHRIN	0 - 50	Permethrin (sum of isomers)	Bovine	Kidney	50	
				Fat	500	
				Milk (mcg/L)	50	
				Muscle	10	
			Bovine	Liver	2000	
				Kidney	2000	
				Fat	90	
				Muscle	10	
			Equine	Liver	2000	
				Kidney	2000	
				Fat	90	
				Muscle	10	
PIPERAZINE	250	Piperazine	Ovine	Liver	2000	
				Kidney	2000	
				Fat	90	
				Muscle	10	
			Caprine	Liver	2000	
				Kidney	2000	
				Fat	90	
				Muscle	400	
			Porcine	Liver	2000	

				Kidney	1000	
				Fat / Skin	800	
			Poultry	Egg	2000	
				Muscle	100	
				Liver	1000	
PIRLIMYCIN	0 - 8	Pirlimycin	Bovine	Kidney	400	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	4	
				Liver	10	
PREDNISOLONE	0.2	Prednisolone	Bovine	Kidney	10	
				Fat	4	
				Milk (mcg/L)	6	
				Muscle	10	
			Bovine	Liver	40	
				Kidney	90	
RACTOPAMINE	0 - 1	Ractopamine		Fat	10	
				Muscle	10	
			Porcine	Liver	40	
				Kidney	90	
				Fat/Skin	10	
			Bovine	Milk (mcg/L)	60	Exclusively for intramammary use, except if the udder may be used as food for human consumption, and intrauterine use.
RIFAXIMIN	2	Rifaximin		Other matrices	Not required	

			Other mammals intended for food production.	-	Not required	Exclusively for topical use.
				Muscle	200	
				Liver	1500	
			Bovine	Kidney	1500	
				Fat	500	
				Milk (mcg/L)	9	
				Muscle	200	
				Liver	1500	
			Caprine	Kidney	1500	
				Fat	500	
				Milk (mcg/L)	9	Exclusively for topical use.
BASIC ALUMINIUM SALICYLATE	9.1 (corresponds to 6.3 salicylic acid)	Salicylic acid		Muscle	200	
			Equine	Liver	1500	
				Kidney	1500	
				Fat	500	
				Muscle	200	
			Rabbit	Liver	1500	
				Kidney	1500	
				Fat	500	
			All species intended for food production, except bovine, caprine, equine, rabbit, and fish	-		
					Not required	

			Bovine	-	Not required	
			Porcine	-	Not required	
				Muscle	400	Exclusively for oral use.
SODIUM SALICYLATE	6.33	Salicylic acid	Turkey	Liver	200	Do not use in animals that produce milk or eggs for human consumption.
				Kidney	150	
				Fat/Skin	2500	
			All species, except fish	-	Not required	Exclusively for topical use.
				Liver	500	
			Bovine	Kidney	500	
				Fat	500	
SALINOMYCIN SODIUM	5			Muscle	15	
			Chicken	Liver	150	
				Kidney	40	
				Fat/Skin	150	
				Muscle	10	
SARAFLOXACIN	0 – 0.3	Sarafloxacin	Chicken and turkey	Liver	80	Do not use in animals that produce eggs for human consumption.
				Kidney	80	
				Fat	20	
				Liver	500	

SEMDURAMIC IN	3	Semduramic in	Chicken	Kidney	200	
				Fat/Skin	500	
				Muscle	100	
			Bovine	Liver	200	
				Kidney	100	
SISAPRONIL	3	Sisapronil		Fat	2000	Do not use in animals that produce milk for human consumption
				Muscle	100	
			Caprine	Liver	200	
				Kidney	100	
				Fat	2000	
				Muscle	100	
				Liver	100	
			Bovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Porcine	Liver	100	
				Kidney	100	
				Fat	100	
				Muscle	100	The total combination of residues from all substances in the group of sulfonamides must not exceed 100 mg/kg. Do not use in animals that produce eggs for
SULFONAMIDES		Main substance	Ovine	Liver	100	
				Kidney	100	

						human consumption
				Fat	100	
				Muscle	100	
				Liver	100	
			Caprine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Poultry	Liver	100	
				Kidney	100	
				Fat	100	
				Muscle	200	
			Bovine and ovine	Liver	600	
				Kidney	1200	
				Milk (mcg/L)	100	
				Muscle	200	
TETRACYCLINE	0 - 30 (Group ADI for chlortetracycline, oxytetracycline and tetracycline)	Sum of the original substance	Porcine	Liver	600	
				Kidney	1200	
				Muscle	200	
			Poultry	Liver	600	
				Kidney	1200	
				Egg	400	

				Muscle	100	
				Liver	100	
			Bovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Ovine	Liver	100	
				Kidney	100	
TIABENDAZOLE	0 - 100	Sum of tiabendazole and 5-hydroxytiabendazole		Fat	100	
				Muscle	100	
				Liver	100	
			Caprine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Porcine	Liver	100	
				Kidney	100	
				Fat	100	
				Muscle	100	
			Chicken	Liver	1000	
				Kidney	Not required	

				Fat/Skin	100	
				Egg	1000	
TIAMULIN	30	Sum of metabolites that can be hydrolyzed to 8-a-hydroxymutilin		Muscle	100	
			Porcine	Liver	500	
				Kidney	Not required	
				Fat/Skin	Not required	
				Muscle	100	
			Turkey	Liver	300	
				Fat/Skin	100	
				Muscle	50	
			Poultry	Liver	50	
				Kidney	50	
THIANPHENICOL	2.5	Thianphenicol		Fat/Skin	50	Do not use in animals that produce eggs for human consumption.
				Muscle	50	
			Porcine	Liver	50	
				Kidney	50	

				Fat/ Skin	50	
				Muscle	400	
			Bovine	Liver	2000	
				Kidney	3000	
TILDIPROSIN	100	Tildipirosin		Fat	200	Do not use in animals that produce milk for human consumption.
				Muscle	1200	
			Porcine	Liver	5000	
				Kidney	10000	
				Fat/ Skin	800	
				Muscle	100	
				Liver	1000	
			Bovine	Kidney	300	
				Fat	100	
				Milk (mcg/ L)	50	
				Muscle	100	
			Porcine	Liver	1500	
				Kidney	1000	
				Fat	100	
TILMICOSIN	0 - 40	Tilmicosin		Muscle	150	Do not use in animals that

						produce eggs for human consumption.
			Chicken	Liver	2400	
				Kidney	600	
				Fat/Skin	250	
				Muscle	100	
			Turkey	Liver	1400	
				Kidney	1200	
				Fat/Skin	250	
				Muscle	100	
			Ovine	Liver	1000	
				Kidney	300	
				Fat	100	
				Muscle	100	
				Liver	100	
			Bovine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	100	
				Muscle	100	
			Porcine	Liver	100	
				Kidney	100	
				Fat	100	

				Muscle	100	
			Ovine	Liver	100	
				Kidney	100	
				Fat/Skin	100	
TYLOSIN	0 - 30	Tylosin A		Muscle	100	
				Liver	100	
			Caprine	Kidney	100	
				Fat	100	
				Milk (mcg/L)	50	
				Muscle	100	
				Liver	100	
			Chicken	Kidney	100	
				Fat/Skin	100	
				Egg	300	
				Muscle	100	
			Turkey	Liver	100	
				Kidney	100	
				Fat/Skin	100	
				Liver	50	
			Poultry	Fat/Skin	50	
				Egg	200	
TYLVALOSIN (Acetyl isovaleryl Tylosin)	2,07	Sum of tylvalosin and 3-O-acetyl-tylosin		Muscle	50	

			Porcine	Liver	50	
				Kidney	50	
				Fat/Skin	50	
				Muscle	100	
			Bovine	Liver	500	
				Kidney	250	
				Fat	150	
				Muscle	100	
			Ovine, caprine, and equine	Liver	500	
				Kidney	250	
				Fat	150	
TOLTRAZURIL 2		Toltrazuril-sulfone		Muscle	100	Do not use in animals that produce milk or eggs for human consumption.
			Porcine	Liver	500	
				Kidney	250	
				Fat/Skin	150	
				Muscle	100	

			Poultry	Liver	600	
				Kidney	400	
				Fat/Skin	200	
				Muscle	250	
				Liver	850	
			Bovine	Kidney	400	
				Fat	100	
				Milk (mcg/L)	10	
				Muscle	200	
		Sum of extractable residues that can be oxidized in cetotriclabendazole	Ovine	Liver	300	
TRICLABENDAZOLE	0 - 3			Kidney	200	
				Fat	100	
				Muscle	225	
				Liver	250	
			Caprine	Kidney	150	
				Fat	100	
				Milk (mcg/L)	10	
				Muscle	50	
				Liver	50	
TRICHLORFON (METRIFONATE)	0 - 2	Phosphonate 0,0-dimethyl-1-hydroxy-2,2-trichloroethylene	Bovine	Kidney	50	
				Fat	50	
				Milk (mcg/L)	50	

				Muscle	50	
				Liver	50	
			Bovine	Kidney	50	
				Fat	50	
				Milk (mcg/L)	50	
				Muscle	50	
TRIMETHOPRIM	4,2	Trimethoprim	Porcine	Liver	50	Do not use in animals that produce eggs for human consumption.
				Kidney	50	
				Fat/Skin	50	
				Muscle	50	
			Poultry	Liver	50	
				Kidney	50	
				Fat/Skin	50	
			Fish	Muscle/Skin	50	
				Muscle	300	
			Bovine	Liver	4500	
				Kidney	3000	
TULATHROMYCIN	50	(2R,3S,4R,5R,8R,10R,11R,12S,13S,14R)-2-ethyl-3,4,10,13-		Fat	200	Do not use in

		tetra-hydroxy- 3,5,8,10,12,14-hexamethyl-11-[[3,4,6-trideoxi-3-(dimethylamino)-β-D-xilo-hexopyranosyl]oxy]-1-oxa-6-azacyclopenta-decan-15-one expressed as tulathromycin equivalent				animals that produce milk for human consumption.
				Muscle	800	
			Porcine	Liver	4000	
				Kidney	8000	
				Fat/Skin	300	
				Muscle	50	
VALNEMULIN	7.95	Valnemulin	Porcine	Liver	500	
				Kidney	100	
				Fat/Skin	Not required	
				Muscle	Not required	
			Bovine	Liver	Not required	
				Kidney	Not required	
				Fat	Not required	
				Muscle	100	
VIRGINIAMYCIN	21.23	Virginiamycin factor S1	Porcine	Liver	300	Do not use in animals that produce eggs for

						human consumption.
				Kidney	400	
				Fat/Skin	400	
				Muscle	10	
			Poultry	Liver	10	
				Kidney	60	
				Fat/Skin	30	

ANNEX II

LIST OF APIs OF VETERINARY MEDICINAL PRODUCTS IN FOODS OF ANIMAL ORIGIN WITH UNREQUIRED MRL

API	Animal species	Note
BUSERELIN ACETATE	Bovine, equine, porcine, and rabbit	
CALCIUM ACETATE	All food-producing species	
DESLORELIN ACETATE	Equine	
FERTIRELIN ACETATE	Bovine	
MAGNESIUM ACETATE	All food-producing species	
MEDROXYPROGESTERONE ACETATE	Ovine	Exclusively for intravaginal use for zootechnical purposes.
TRIPTORELIN ACETATE	Porcine	
ZINC ACETATE	All food-producing species	
ACETYLCYSTEIN	All food-producing species	

ACETYLMETHIONINE	All food-producing species	
SODIUM ACETYLSALICYLATE	All food-producing species, except fish.	Do not use in animals that produce milk or eggs for human consumption.
ACETIC ACID	Bovine, ovine, caprine, porcine, and equine	
ACETYLSALICYLIC ACID	All food-producing species, except fish.	Do not use in animals that produce milk or eggs for human consumption.
ACETYLSALICYLIC ACID DL-LYSINE	All food-producing species, except fish.	Do not use in animals that produce milk or eggs for human consumption.
ASPARTIC ACID	All food-producing species	
BORIC ACID AND BORATES	All food-producing species	
HYDROCHLORIC ACID	All food-producing species	For use as excipient.
CRESYLIC ACID	Bovine, ovine, caprine, and equine	
ETHYLENEDIAMINETETRAACETIC ACID AND ITS SALTS	All food-producing species	
FOLIC ACID	All food-producing species	
FORMIC ACID	All food-producing species	
GLUTAMIC ACID	All food-producing species	

HYALURONIC ACID	All food-producing species	
LACTIC ACID	All food-producing species	
L-TARTARIC ACID AND ITS MONO AND DIBASIC SODIUM, POTASSIUM, AND CALCIUM SALTS	All food-producing species	For use as excipient.
MALIC ACID	All food-producing species	For use as excipient.
OROTIC ACID	All food-producing species	
OXALIC ACID	Bees	
PERACETIC ACID	All food-producing species	
SALICYLIC ACID	All food-producing species, except fish.	Exclusively for topical use.
TILUDRONIC ACID (IN THE FORM OF DISODIUM SALT)	Equine	Exclusively for intravenous use.
	Poultry	Exclusively for parenteral use and for use in laying and breeder birds.
THIOCTIC ACID	All food-producing species	
LINEAR ALKYL BENZENE SULPHONIC ACIDS WITH ALKYL CHAIN LENGTHS RANGING FROM C9 TO C13, CONTAINING LESS THAN 2.5% OF CHAINS LONGER THAN C13	Bovine and ovine	Exclusively for topical use.
HUMIC ACIDS AND THEIR SODIUM SALTS	All food-producing species	Exclusively for oral use.
ADENOSINE AND ITS 5'-MONOPHOSPHATE, 5'-DIPHOSPHATE, AND 5'-TRIPHOSPHATE	All food-producing species	

<i>ADONIS VERNALIS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
ADRENALINE/ EPINEPHRINE	Bovine, ovine, caprine, porcine, and equine	
<i>AESCULUS HIPPOCASTANUM</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>AGNUS CASTUS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>AILANTHUS ALTISSIMA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
ALANINE	All food-producing species	
ALLANTOIN	All food-producing species	Exclusively for topical use.
WOOL ALCOHOLS	All food-producing species	Exclusively for topical use.
BENZYL ALCOHOL	All food-producing species	For use as excipient.
CETOSTEARYL ALCOHOL	All food-producing species	
ALFACALCIDOL	Bovine	Exclusively for cows when calving.
ALFAPROSTOL	Bovine, porcine, rabbit, and equine	
<i>ALLIUM CEPA</i>	All food-producing species	Exclusively for use in homeopathic

		veterinary medicinal products.
<i>ALOE BARBADENSIS</i> AND <i>ALOE FEROX</i> , THEIR STANDARDIZED DRY EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
COCO ALKYL DIMETHYL BETAINES	All food-producing species	For use as excipient.
2-AMINOETHANOL	All food-producing species	
AMPROLIUM	Poultry	Exclusively for oral use.
<i>ANGELICAE RADIX AETHEROLEUM</i>	All food-producing species	
<i>ANISI AETHEROLEUM</i>	All food-producing species	
<i>ANISI STELLATI FRUCTUS</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
<i>APOCYNUM CANNABINUM</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products. Exclusively for oral use.
<i>AQUA LEVICI</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
ARGININE	All food-producing species	
<i>ARNICA MONTANA (ARNICAE FLOSEARNICAE PLANTA TOTA)</i>	All food-producing species	Exclusively for topical use.
<i>ARNICAE RADIX</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>ARTEMISIA ABROTANUM</i>	All food-producing species	Exclusively for use in homeopathic

		veterinary medicinal products.
ASPARAGINE	All food-producing species	
CALCIUM ASPARTATE	All food-producing species	
MAGNESIUM ASPARTATE	All food-producing species	
POTASSIUM ASPARTATE	All food-producing species	
ZINC ASPARTATE	All food-producing species	
<i>ATROPA BELLADONNA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
ATROPINE	All food-producing species	
AZAGLY-NAFARELIN	Salmonids	Do not use in fish that produce eggs for human consumption.
AZAMETHIPHOS	Fish	
<i>BALSAMUM PERUVIANUM</i>	All food-producing species	Exclusively for topical use.
BENZYL BENZOATE	All food-producing species	
CALCIUM BENZOATE	All food-producing species	
METHYL BENZOATE	All food-producing species	
BENZOCAINE	All food-producing species	Exclusively for use as local anesthetic.

	Salmonids	
BETAINE	All food-producing species	
SODIUM BICARBONATE	All food-producing mammals	
BIOTIN	All food-producing species	
BITUMINOSULFONATE, AMMONIUM AND SODIUM SALTS	All food-producing mammals	Exclusively for topical use.
<i>BOLDO FOLIUM</i>	All food-producing species	
SODIUM BOROFORMIATE	All food-producing species	
CALCIUM BOROGLUCONATE	All food-producing species	
BUTYLSCOPOLAMINE BROMIDE	All food-producing species	
BROMIDE, POTASSIUM SALT	All food-producing species	
BROMIDE, SODIUM SALT	All food-producing mammals	Exclusively for topical use.
BROMHEXINE	Bovine, porcine, and poultry	Do not use in animals that produce milk or eggs for human consumption.
BRONOPOL	Fish	
BROTIZOLAM	Bovine	Exclusively for therapeutic purposes.
BUSERELIN	All food-producing species	

BUTAFOSFAN	Bovine, ovine, caprine, porcine, and equine	
N-BUTANE	All food-producing species	
N-BUTANOL	All food-producing species	For use as excipient.
SCOPOLAMINE BUTYLBROMIDE	All food-producing species	
BUTORPHANOL	Equine	
PIPERONYL BUTOXIDE	Bovine, ovine, caprine, and equine	Exclusively for topical use.
CAFFEINE	All food-producing species	
<i>CALENDULA OFFICINALIS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>CALENDULAE FLOS</i>	All food-producing species	Exclusively for topical use.
<i>CAMPHORA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
CAMPHORA	Bovine, ovine, caprine, porcine, and equine	
ETAMIPHYLLINE CAMSYLATE	All food-producing species	
<i>CAPSICI FRUCTUS ACER</i>	All food-producing species	

CARBASALATE CALCIUM	All food-producing species, except fish	Do not use in animals that produce milk or eggs for human consumption.
CARBETOCIN	All food-producing mammals	
CALCIUM CARBONATE	All food-producing species	
COBALT CARBONATE	All food-producing species	
MAGNESIUM CARBONATE	All food-producing species	
MANGANESE CARBONATE	All food-producing species	Exclusively for oral use.
<i>CARDIOSPERMUM HALICACABUM</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>CARLINAE RADIX</i>	All food-producing species	Exclusively for topical use.
CARNITINE	All food-producing species	
<i>CARVI AETHEROLEUM</i>	All food-producing species	
<i>CARYOPHYLLI AETHEROLEUM</i>	All food-producing species	
CASEIN	All food-producing species	
<i>CENTELLAE ASIATICAE EXTRACTUM</i>	All food-producing species	Exclusively for topical use.
KETAMINE	All food-producing species	

KETANSERIN	Equine	
KETOPROFEN	Bovine, porcine, and equine	
CETRIMIDE	All food-producing species	
<i>CHRYSANTHEMI CINERARIIFOLII FLOS</i>	All food-producing species	Exclusively for topical use.
<i>CIMICIFUGAE RACEMOSAE RHIZOMA</i>	All food-producing species	Do not use in animals that produce milk for human consumption.
<i>CINCHONAE CORTEX</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
<i>CINNAMOMI CASSIAE AETHEROLEUM</i>	All food-producing species	
<i>CINNAMOMI CEYLANICI AETHEROLEUM</i>	All food-producing species	
<i>CINNAMOMI CEYLANICI CORTEX</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
<i>CINNAMOMI CASSIAE CORTEX</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
CISTEIN	All food-producing species	
CYTIDINE AND ITS 5'-MONOPHOSPHATE, 5'-DIPHOSPHATE, AND 5'-TRIPHOSPHATE	All food-producing species	
CALCIUM CITRATE	All food-producing species	
AMMONIACAL IRON CITRATE	All food-producing species	

MAGNESIUM CITRATE	All food-producing species	
<i>CITRI AETHEROLEUM</i>	All food-producing species	
<i>CITRONELLAE AETHEROLEUM</i>	All food-producing species	
CITRULLINE	All food-producing species	
CLAZURIL	Pigeon	
CLOPROSTENOL, R-CLOPROSTENOL	Bovine, porcine, and caprine	
AMMONIUM CHLORIDE	All food-producing species	
BENZALKONIUM CHLORIDE	All food-producing species	Exclusively for use as excipient.
CALCIUM CHLORIDE	All food-producing species	
COPPER CHLORIDE	All food-producing species	
HYDROXYQUINOLINE CHLORIDE	Porcine and poultry	Exclusively for newborn animals.
MAGNESIUM CHLORIDE	All food-producing species	
MANGANESE CHLORIDE	All food-producing species	Exclusively for oral use.
SODIUM CHLORIDE	All food-producing species	
ZINC CHLORIDE	All food-producing species	

CHLORHEXIDINE	All food-producing species	Exclusively for topical use.
L-ARGININE HYDROCHLORIDE	All food-producing species	
DENAVERINE HYDROCHLORIDE	Bovine	
FENPIPRAMIDE HYDROCHLORIDE	Equine	Exclusively for intravenous use.
HISTIDINE HYDROCHLORIDE	All food-producing species	
LYSINE HYDROCHLORIDE	All food-producing species	
MERCAPTAMINE HYDROCHLORIDE	All food-producing mammals	
VETRABUTINE HYDROCHLORIDE	Porcine	
XYLAZINE HYDROCHLORIDE	Bovine and equine	
SODIUM CHLORITE	Bovine	Exclusively for topical use.
CLOROCRESOL	All food-producing species	
CHLORPHENAMINE	All food-producing mammals	
CHOLINE	All food-producing species	
IRON DEXTRAN COMPLEX	All food-producing species	
IODIZED ORGANIC COMPOUNDS – IODOFORM	All food-producing species	
<i>CONDURANGO CORTEX</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
<i>CONVALLARIA MAJALIS</i>	All food-producing species	Exclusively for use in homeopathic

		veterinary medicinal products.
<i>CORIANDRI AETHEROLEUM</i>	All food-producing species	
CORTICOTROPINE	All food-producing species	
<i>CRATAEGUS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
SODIUM CROMOGLYCATE	All food-producing species	
<i>CUPRESSI AETHEROLEUM</i>	All food-producing species	Exclusively for topical use.
DECOQUINATE	Bovine and ovine	Exclusively for oral use. Do not use in animals that produce milk for human consumption.
DEMBREXINE	Equine	
DETOMIDINE	Bovine and equine	Exclusively for therapeutic purposes.
DEXPANTHENOL	All food-producing species	
COBALT DICHLORIDE	All food-producing species	
IRON DICHLORIDE	All food-producing species	
PIPERAZINE HYDROCHLORIDE	Chicken	
SODIUM DICHLORINE ISOCYANURATE	Bovine, ovine, and caprine	Exclusively for topical use.

ALUMINIUM DISTEARATE	All food-producing species	
2-AMINOETHYL DIHYDROGEN PHOSPHATE	All food-producing species	
3.5-DI-IODINE-L-TYROSINE	All food-producing mammals	
DIMETHICONE	All food-producing species	
DIMETHYLACETAMIDE	All food-producing species	
DIMETHYLSULFOXIDE	All food-producing species	
DINOPROST	All food-producing mammals	
DINOPROST TROMETHAMINE	All food-producing mammals	
DINOPROSTONE	All food-producing mammals	
DIOCTYL SODIUM SULFOSUCCINATE	All food-producing species	
DIPROPHYLLINE	All food-producing species	
BECLOMETHASONE DIPROPIONATE	Equine	Exclusively for inhalation use.
DOXAPRAM	All food-producing mammals	
<i>ECHINACEA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.

		Exclusively for topical use.
<i>ECHINACEA PURPUREA</i>	All food-producing species	Exclusively for topical use.
PYRANTEL EMBONATE	Equine	
ENILCONAZOLE	Bovine and equine	Exclusively for topical use.
EPINEPHRINE	All food-producing species	
ERGOMETRINE MALEATE	All food-producing species	Exclusively for use in animals in labor.
CALCIUM STEARATE	All food-producing species	
MAGNESIUM STEARATE	All food-producing species	
SODIUM STEARATE	All food-producing species	
ZINC STEARATE	All food-producing species	
POLYETHYLENE GLYCOL STEARATES WITH 8-40 UNITS OF OXYETHYLENE	All food-producing species	For use as excipient.
17 β -ESTRADIOL	All food-producing mammals	Exclusively for therapeutic and zootechnical purposes.
STRYCHNINE	Bovine	Exclusively for oral use in doses not exceeding 0.1 mg/kg p.c.
ETAMSYLATE	All food-producing species	
ETHANOL	All food-producing species	For use as excipient.

DIETHYLENE GLYCOL MONOETHYL ETHER	All ruminants and porcine	
ETIPROSTONE TROMETHAMINE	Bovine and porcine	
EUCALYPTOL	All food-producing species	
<i>EUCALYPTI AETHEROLEUM</i>	All food-producing species	
<i>EUCALYPTUS GLOBULUS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>EUPHRASIA OFFICINALIS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>ABSINTHIUM</i> EXTRACT	All food-producing species	
CARDAMOM EXTRACT	All food-producing species	
<i>PYRETHRUM</i> EXTRACT	All food-producing species	Exclusively for topical use.
PHENYLALANINE	All food-producing species	
PHENOL	All food-producing species	
FERTIRELIN	Bovine	
PHYLLOQUINONE	All food-producing species	

PHLOROGLUCINOL	All food-producing species	
FLUMETHRIN	Bees	
<i>FOENICULI AETHEROLEUM</i>	All food-producing species	
FORMALDEHYDE	All food-producing species	
FORMALDEHYDE SODIUM SULPHOXYLATE	All food-producing species	
ALUMINIUM PHOSPHATE	All food-producing species	
CALCIUM PHOSPHATE	All food-producing species	
MAGNESIUM PHOSPHATE	All food-producing species	
DIBASIC SODIUM PHOSPHATE/ SODIUM HYDROGEN PHOSPHATE / MONOBASIC SODIUM PHOSPHATE/ SODIUM DIHYDROGEN PHOSPHATE/ TRISODIUM PHOSPHATE	All food-producing species	
TRICALCIUM PHOSPHATE	All food-producing species	
<i>FRANGULAE CORTEX</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
DIETHYL PHTHALATE	All food-producing species	
DIMETHYL PHTHALATE	All food-producing species	
IRON FUMARATE	All food-producing species	
FUROSEMIDE	Bovine and equine	Exclusively for intravenous use.

<i>ALOE VERA</i> GEL AND WHOLE LEAF EXTRACT OF <i>ALOE VERA</i>	All food-producing species	Exclusively for topical use.
<i>GENTIANAE RADIX</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
<i>GINKGO BILOBA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>GINSENG</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>GINSENG</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
POLYETHYLENE GLYCOL 7 GLYCERYL COCOATE	All food-producing species	Exclusively for topical use.
CALCIUM GLYCEROPHOSPHATE	All food-producing species	
MAGNESIUM GLYCEROPHOSPHATE	All food-producing species	
MANGANESE GLYCEROPHOSPHATE	All food-producing species	Exclusively for oral use.
POTASSIUM GLYCEROPHOSPHATE	All food-producing species	
SODIUM GLYCEROPHOSPHATE	All food-producing species	
GLYCEROL FORMAL	All food-producing species	
GLYCINE	All food-producing species	

GLYCOSAMINOGLYCAN POLYSULFURIC ACID	Equine	
CALCIUM GLUCOHEPTONATE	All food-producing species	
IRON GLUCOHEPTONATE	All food-producing species	
CALCIUM GLUCONATE	All food-producing species	
COBALT GLUCONATE	All food-producing species	
COPPER GLUCONATE	All food-producing species	
MAGNESIUM GLUCONATE	All food-producing species	
MANGANESE GLUCONATE	All food-producing species	Exclusively for oral use.
NICKEL GLUCONATE	All food-producing species	
ZINC GLUCONATE	All food-producing species	
GLUCONO-GLUCO-CALCIUM HEPTANOATE	All food-producing species	
CALCIUM GLUCONOLACTATE	All food-producing species	
2-AMINOETHANOL GLUCURONATE	All food-producing species	
BETAINE GLUCURONATE	All food-producing species	
POTASSIUM GLUCURONATE	All food-producing species	

CALCIUM GLUTAMATE	All food-producing species	
MAGNESIUM GLUTAMATE	All food-producing species	
GLUTAMINE	All food-producing species	
GLUTARALDEHYDE	All food-producing species	
HUMAN CHORIONIC GONADOTROPHIN – HCG (OF NATURAL ORIGIN AND RESPECTIVE SYNTHESIS ANALOGUES)	All food-producing species	
HUMAN MENOPAUSAL GONADOTROPIN – HMG	Bovine	
EQUINE CHORIONIC GONADOTROPHIN – ECG (PREGNANT MARE SERUM GONADOTROPHIN – PMSG)	All food-producing species	
GUAIACOL	All food-producing species	
GUANOSINE AND ITS 5'- MONOPHOSPHATE , 5'-DIPHOSPHATE, AND 5'-TRIPHOSPHATE	All food-producing species	
<i>HAMAMELIS VIRGINIANA</i>	All food-producing species	Exclusively for topical use or use in homeopathic veterinary medicinal products.
<i>HARPAGOPHYTUM PROCUMBENS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>HARUNGA MADAGASCARIENSIS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.

HEPARIN AND ITS SALTS	All food-producing species	
HEPTAMINOL	All food-producing species	
COPPER HEPTANOATE	All food-producing species	
HESPERIDIN	Equine	
HESPERIDIN METHYL-CHALCONE	Equine	
HEXETIDINE	Equine	Exclusively for topical use.
TERPIN HYDRATE	Bovine, ovine, caprine, and porcine	
MINERAL HYDROCARBONS, OF LOW TO HIGH VISCOSITY INCLUDING MICROCRYSTALLINE WAXES, APPROXIMATELY C10-C60, ALIPHATIC, BRANCHED ALIPHATIC, AND ALICYCLIC COMPOUNDS	All food-producing species	Excludes aromatic and unsaturated compounds
HYDROCHLOROTHIAZIDE	Bovine	
HYDROCORTISONE	All food-producing species	Exclusively for topical use.
ALUMINIUM HYDROXYACETATE	All food-producing species	
SODIUM BENZYL 4-HYDROXYBENZOATE	All food-producing species	
BENZYL P-HYDROXYBENZOATE	All food-producing species	
BUTYL 4- HYDROXYBENZOATE	All food-producing species	
SODIUM BUTYL 4-HYDROXYBENZOATE	All food-producing species	

ALUMINIUM HYDROXIDE	All food-producing species	
CALCIUM HYDROXIDE	All food-producing species	
MAGNESIUM HYDROXIDE	All food-producing species	
POLYETHYLENE GLYCOL 15-HYDROXYSTEARATE	All food-producing species	For use as excipient
8-HYDROXYQUINOLIN	All food-producing mammals	Exclusively for topical use in newborn animals.
CALCIUM HYPOPHOSPHITE	All food-producing species	
MAGNESIUM HYPOPHOSPHITE	All food-producing species	
SODIUM HYPOPHOSPHITE	All food-producing species	
<i>HIPPOCASTANI SEMEN</i>	All food-producing species	Exclusively for topical use.
HISTIDINE	All food-producing species	
FOLLICULAR STIMULATING HORMONE – FSH (OF NATURAL ORIGIN, FROM ALL SPECIES, AND RESPECTIVE SYNTHESIS ANALOGUES)	All food-producing species	
GONADOTROPIN-RELEASING HORMONE – GNRH	All food-producing species	
LUTEINIZING HORMONE-RELEASING HORMONE – D-PHENYLALANINE (6)	All food-producing species	
LUTEINIZING HORMONE – LH (OF NATURAL ORIGIN, FROM ALL SPECIES, AND RESPECTIVE SYNTHESIS ANALOGUES)	All food-producing species	

<i>HYPERICI OLEUM</i>	All food-producing species	Exclusively for topical use.
<i>HYPERICUM PERFORATUM</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
INOSINE AND ITS 5'-MONOPHOSPHATE, 5'-DIPHOSPHATE, AND 5'-TRIPHOSPHATE	All food-producing species	
INOSITOL	All food-producing species	
ISOBUTANE	All food-producing species	
ISOFLURANE	Equine and porcine	Exclusively for use as inhalatory anesthetic.
ISOLEUCINE	All food-producing species	
ISOPROPANOL	All food-producing species	
ISOXSUPRINE	Bovine and equine	Exclusively for therapeutic purposes.
<i>JECORIS OLEUM</i>	All food-producing species	Exclusively for topical use.
<i>JUNIPERI FRUCTUS</i>	All food-producing species	
<i>LACHNANTHES TINCTORIA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
ETHYL LACTATE	All food-producing species	
LANOLIN	All food-producing species	
<i>LAURI FOLII AETHEROLEUM</i>	All food-producing species	

<i>LAURI FRUCTUS</i>	All food-producing species	
AMMONIUM LAURYL SULFATE	All food-producing species	
SODIUM LAURYL SULFATE	All food-producing species	
<i>LAVANDULAE AETHEROLEUM</i>	All food-producing species	Exclusively for topical use.
LECIRELIN	Bovine, equine, and rabbit	
LECTIN EXTRACTED FROM BEANS (<i>PHASEOLUS VULGARIS</i>)	Porcine	Exclusively for oral use.
<i>LESPEDEZA CAPITATA</i>	All food-producing species	
LEUCINE	All food-producing species	
LEVOMETHADONE	Equine	Exclusively for intravenous use.
LEVOTHYROXINE	All food-producing mammals	
LIDOCAINE	Equine	
<i>LINI OLEUM</i>	All food-producing species	
LYSINE	All food-producing species	
<i>LOBARIA PULMONARIA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
LOBELINE	All food-producing species	
LUPROSTIOL	All food-producing mammals	

<i>MAJORANAE HERBA</i>	All food-producing species	
CALCIUM MALATE	All food-producing species	
ERGOMETRINE MALEATE	All food-producing mammals	Exclusively for use in animals in labor.
MANNITOL	All food-producing species	
<i>MATRICARIA RECUTITAE</i> RESPECTIVE PREPARATIONS	All food-producing species	
<i>MATRICARIAE FLOS</i>	All food-producing species	
MECILLINAM	Bovine	Exclusively for intrauterine use.
<i>MEDICAGO SATIVA EXTRACTUM</i>	All food-producing species	Exclusively for topical use.
MEDROXYPROGESTERONE	Ovine	Exclusively for intravaginal use for zootechnical purposes.
MELATONIN	Ovine and caprine	
<i>MELISSAE AETHEROLEUM</i>	All food-producing species	
<i>MELISSAE FOLIUM</i>	All food-producing species	
MENADIONE	All food-producing species	
MENBUTONE	Bovine, ovine, caprine, porcine, and equine	
<i>MENTHAE ARVENSIS</i> <i>AETHEROLEUM</i>	All food-producing species	

<i>MENTHAE PIPERITAE</i> <i>AETHEROLEUM</i>	All food-producing species	
MENTHOL	All food-producing species	
MEPIVACAINE	Equine	Exclusively intra-articular and epidural administration as local anesthetic.
TRICAINE MESILATE	Fish	Exclusively for use in the aquatic environment.
SODIUM 2-METHYL-2-PHENOXY-PROPANOATE	Bovine, porcine, caprine, and equine	
1-METHYL-2-PYRROLIDONE	All food-producing species	
COPPER METHIONATE	All food-producing species	
METHIONINE	All food-producing species	
MIGLIOL	All food-producing species	
<i>MILLEFOLII HERBA</i>	All food-producing species	
ALUMINIUM MONOSTEARATE	All food-producing species	
POLYOXYETHYLENE SORBITAN MONOOLEATE AND TRIOLEATE	All food-producing species	
MONOTHIOGLYCEROL	All food-producing species	
MONTANIDE	All food-producing species	

<i>MYRISTICAE AETHEROLEUM</i>	All food-producing species	Exclusively for use in newborn animals.
NATAMYCIN	Bovine and equine	Exclusively for topical use.
NEOSTIGMINE	All food-producing species	
NICOBOXIL	Equine	Exclusively for topical use.
METHYL NICOTINATE	Bovine and equine	Exclusively for topical use.
POTASSIUM NITRATE	All food-producing species	
SODIUM NITRITE	Bovine	Exclusively for topical use.
NONIVAMIDE	Equine	Exclusively for topical use.
OXYTOCIN	All food-producing mammals	
<i>OKOUBAKA AUBREVILLEI</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
ETHYL OLEATE	All food-producing species	
OLEYL OLEATE	All food-producing species	Exclusively for topical use.
ZINC OLEATE	All food-producing species	
POLYOXYL CASTOR OIL WITH 30 TO 40 OXYETHYLENE UNITS	All food-producing species	For use as excipient
HYDROGENATED POLYOXYL CASTOR OIL WITH 40 TO 60 OXYETHYLENE UNITS	All food-producing species	For use as excipient
OMEPRAZOLE	Equine	Exclusively for oral use.
ORGOTEIN	All food-producing species	

ORNITHINE	All food-producing species	
MAGNESIUM OROTATE	All food-producing species	
CALCIUM OXIDE	All food-producing species	
COBALT OXIDE	All food-producing species	
COPPER OXIDE	All food-producing species	
DICOPPER OXIDE	All food-producing species	
MAGNESIUM OXIDE	All food-producing species	
MANGANESE OXIDE	All food-producing species	Exclusively for oral use.
ZINC OXIDE	All food-producing species	
PANCREATIN	All food-producing mammals	Exclusively for topical use.
CALCIUM PANTOTHENATE	All food-producing species	
PAPAIN	All food-producing species	
PAPAVERINE	Bovine	Exclusively for use in newborn animals.
PARACETAMOL	Porcine	Exclusively for oral use.
PARCONAZOLE	Guinea fowl	
PECTIN	All food-producing species	
PEFORELIN	Porcine	

PEGBOVIGRASTIM (COLONY STIMULATING FACTOR)	Bovine	
PEPSIN	All food-producing species	
HYDROGEN PEROXIDE	All food-producing species	
<i>PHYTOLACCA AMERICANA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>PICEAE TURIONES RECENTES EXTRACTUM</i>	All food-producing species	Exclusively for oral use.
MANGANESE PIDOLATE	All food-producing species	Exclusively for oral use.
PYRANTEL	Equine	
SODIUM PYROSULPHATE	All food-producing species	
2-PYRROLIDONE	All food-producing species	
POLICRESULEN	All food-producing species	Exclusively for topical use.
POLYETHYLENE GLYCOLS (MOLECULAR MASS BETWEEN 200 AND 10 000)	All food-producing species	
CALCIUM POLYPHOSPHATES	All food-producing species	
POLOXALENE	All food-producing species	
POLOXAMER	All food-producing species	
PRAZIQUANTEL	Ovine and equine	
PRETHCAMIDE (CROTETHAMIDE, CROPROPAMIDE)	All food-producing mammals	

PROCAIN	All food-producing species	
<i>TEREBINTHINAE OLEUM</i> OXIDATION PRODUCTS	Bovine, ovine, caprine, and porcine	
PROGESTERONE	Bovine, ovine, caprine, and equine	Exclusively for intravaginal use for therapeutic or zootechnical purposes.
PROLINE	All food-producing species	
PROPANE	All food-producing species	
PROPYLENE GLYCOL	All food-producing species	
CALCIUM PROPIONATE	All food-producing species	
SODIUM PROPIONATE	All food-producing species	
<i>PRUNUS LAUROCERASUS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
QUATRESIN	All food-producing species	Exclusively for use as a preservative with a maximum concentration of up to 0.5 %
<i>QUERCUS CORTEX</i>	All food-producing species	
CHYMOTRYPSIN	All food-producing species	
<i>RHEI RADIX</i> , STANDARDIZED EXTRACTS, AND RESPECTIVE PREPARATIONS	All food-producing species	
MANGANESE RIBONUCLEATE	All food-producing species	Exclusively for oral use.

<i>RICINI OLEUM</i>	All food-producing species	For use as excipient
ROMIFIDINE	Equine	Exclusively for therapeutic purposes.
<i>ROSMARINI AETHEROLEUM</i>	All food-producing species	
<i>ROSMARINI FOLIUM</i>	All food-producing species	
<i>RUSCUS ACULEATUS</i>	All food-producing species	Exclusively for topical use.
<i>RUTA GRAVEOLENS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products. Do not use in animals that produce milk for human consumption.
HYDROXYETHYL SALICYLATE	All food-producing species, except fish	Exclusively for topical use.
METHYL SALICYLATE	All food-producing species, except fish	Exclusively for topical use.
<i>SELENICEREUS GRANDIFLORUS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
SODIUM SELENITE	All food-producing species	
<i>SERENOA REPENS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
SERINE	All food-producing species	
SEROTONIN	All food-producing species	
SORBITAN SESQUIOLEATE	All food-producing species	

CALCIUM SILICATE	All food-producing species	
MAGNESIUM AND ALUMINIUM SILICATE	All food-producing species	
<i>SILYBUM MARIANUM</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>SINAPIS NIGRAE SEMEN</i>	All food-producing species	
<i>SOLIDAGO VIRGAUREA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
SOMATOSALM	Salmonids	
<i>STRYCHNI SEMEN</i>	Bovine, ovine, and caprine	Exclusively for oral administration in doses that do not exceed the equivalent of 0.1 mg of strychnine/kg p.c.
BISMUTH SUBCARBONATE	All food-producing species	Exclusively for oral use.
BISMUTH SUBGALLATE	All food-producing species	Exclusively for oral use.
BISMUTH SUBNITRATE	All food-producing species	Exclusively for oral use.
	Bovine	Exclusively for intramammary use.
BISMUTH SUBSALICYLATE	All food-producing species	Exclusively for oral use.
AMMONIUM SULPHATE	All food-producing species	
CALCIUM SULPHATE	All food-producing species	
SODIUM CETOSTEARYL SULPHATE	All food-producing species	Exclusively for topical use.

COBALT SULPHATE	All food-producing species	
COPPER SULPHATE	All food-producing species	
IRON SULPHATE	All food-producing species	
MAGNESIUM SULPHATE	All food-producing species	
MANGANESE SULPHATE	All food-producing species	Exclusively for oral use.
NICKEL SULPHATE	All food-producing species	
ZINC SULPHATE	All food-producing species	
SULFOGAIACOL	All food-producing species	
<i>SYMPHYTI RADIX</i>	All food-producing species	Exclusively for topical use with intact skin only.
<i>SYZYGIUM CUMINI</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>TANNINUM</i>	All food-producing species	
BUTORPHANOL TARTRATE	Equine	Exclusively for intravenous use.
KETANSERIN TARTRATE	Equine	
TAU-FLUVALINATE	Bees	
THEOBROMINE	All food-producing species	
THEOPHYLLINE	All food-producing species	

<i>TEREBINTHINAE AETHEROLEUM RECTIFICATUM</i>	All food-producing species	Exclusively for topical use.
<i>TEREBINTHINAE LARICINA</i>	All food-producing species	Exclusively for topical use.
TESTOSTERONE	Bovine and ovine	
TETRACAINE	All food-producing species	Exclusively for use as anesthetic.
<i>THUJA OCCIDENTALIS</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>THYMI AETHEROLEUM</i>	All food-producing species	
THIAMYLAL	All food-producing mammals	Exclusively for intravenous use.
TIAPROST	Bovine, ovine, porcine, and equine	
<i>TILIAE FLOS</i>	All food-producing species	
TIMERFONATE	All food-producing species	Exclusively for use as a preservative in multi-dose vaccines in a concentration not exceeding 0.02%.
THYMIDINE	All food-producing species	
THYMOL	All food-producing species	
THIOMERSAL	All food-producing species	Exclusively for use as a preservative in multi-dose vaccines in a concentration not exceeding 0.02%.
THIOPENTAL SODIUM	All food-producing species	Exclusively for intravenous use.

SODIUM THIOSULPHATE	All food-producing species	
TYROSINE	All food-producing species	
TOLDIMFOS	All food-producing species	
TOSYLCHLORAMIDE SODIUM	Bovine and equine	Exclusively for topical use.
	Fish	Exclusively for use in the aquatic environment.
TRAGACANTH	All food-producing species	
THREONINE	All food-producing species	
TRICHLORMETHIAZIDE	All food-producing species	
ALUMINIUM TRISTEARATE	All food-producing species	
TRIMETHYLPHLOROGLUCINOL	All food-producing species	
SORBITAN TRIOLEATE	All food-producing species	
COBALT TRIOXIDE	All food-producing species	
DIMANGANESE TROXIDE	All food-producing species	Exclusively for oral use.
TRYPSIN	All food-producing species	
TRYPTOPHAN	All food-producing species	

MAGNESIUM TRISILICATE	All food-producing species	
<i>TURNERA DIFFUSA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
UREA	All food-producing species	
<i>URGINEA MARITIMA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
URIDINE AND ITS 5'-MONOPHOSPHATE, 5'-DIPHOSPHATE, AND 5'-TRIPHOSPHATE	All food-producing species	
<i>URTICAE HERBA</i>	All food-producing species	
VALINE	All food-producing species	
VINCAMINE	Bovine	Exclusively for use in newborn animals.
<i>VIOLA SEBIFERA</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
<i>VISCUM ALBUM</i>	All food-producing species	Exclusively for use in homeopathic veterinary medicinal products.
XYLAZINE	Bovine and equine	

ANNEX III

LIST OF APIs WITH NON-RECOMMENDED MRL

APIs WITH NON-RECOMMENDED MRL
CARBADOX
CHLORAMPHENICOL
CHLORPROMAZINE
DIMETRIDAZOLE
STILBENES
PHENYLBUTAZONE

IPRONIDAZOL
METRONIDAZOLE
NITROFURANS
OLAQUINDOX
RONIDAZOL
MALACHITE GREEN
GENTIAN VIOLET

This content does not replace the one published in the certified version.