

## RESULTS OF THE NATIONAL PLAN FOR CONTROL OF RESIDUES AND CONTAMINANTS - PNCRC 2018

ANIMAL SPECIES/CATEGORY	MONITORED COMPOUNDS	MATRIX	NUMBER OF TESTED SAMPLES	NUMBER OF NON-COMPLIANT SAMPLES	% OF NON-COMPLIANT SAMPLES	% OF COMPLIANT SAMPLES
<b>BROILERS</b>	DICHLOROISOEVERNINIC ACID, AMPROLIUM, CLOPIDOL, DECOQUINATE, DIAVERIDINE, DICLAZURIL, ETHOPABATE, LASALOCID, MADURAMICIN, MONENSIN, NARASIN, NICARBAZINE, ROBENIDINE, SALINOMYCIN, SEMDURAMYCIN, TOLTRAZURIL, TRIMETHOPRIM	MUSCLE	608	1	0.16%	99.84%
	AMIKACIN, AMPICILLIN, APRAMYCIN, CEFAZOLIN, CLINDAMYCIN, CHLORTETRACYCLINE, DIHYDROSTREPTOMYCIN, DOXYCYCLINE, ERYTHROMYCIN, SPECTINOMYCIN, STREPTOMYCIN, GENTAMYCIN, HYGROMYCIN, KANAMYCIN, LINCOMYCIN, NEOMYCIN, OXACILLIN, OXYTETRACYCLINE, PENICILLIN G, PENICILLIN V, TETRACYCLINE, TILMICOSIN, TYLOSIN, TOBRAMYCIN	KIDNEY	605	0	0.00%	100.00%
	DOXYCYCLINE, SULFAQUINOXALINE, NALIDIXIC ACID, OXOLINIC ACID, AZITHROMYCIN, CIPROFLOXACIN, CLINDAMYCIN, CHLORTETRACYCLINE, DANOFLOXACIN, DIFLOXACIN, ENROFLOXACIN, ERYTHROMYCIN, SPIRAMYCIN, FLUMEQUINE, LINCOMYCIN, NORFLOXACIN, OXYTETRACYCLINE, SARAFLOXACIN, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFATHIAZOLE, SULFISOXAZOL, TETRACYCLINE, TILMICOSIN, TYLOSIN, TRIMETHOPRIM	MUSCLE	601	1	0.17%	99.83%
	NITROFURAZONE/SEM, FURALTADONE/AMAZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFURAZONE/SEM	MUSCLE	310	0	0.00%	100.00%
	CHLORAMPHENICOL, FLORFENICOL, THIANPHENICOL	MUSCLE	198	0	0.00%	100.00%
	ABAMECTIN, DORAMECTIN, EPRINOMECTIN, IVERMECTIN, MOXIDECTIN	LIVER	6	0	0.00%	100.00%
	ABAMECTIN, ALBENDAZOLE, CLOSANTEL, DIMETRIDAZOLE, DORAMECTIN, EPRINOMECTIN, FENBENDAZOLE SULFONE, FLUBENDAZOLE, IPRONIDAZOLE, IVERMECTIN, LEVAMISOLE, MEBENDAZOLE, METRONIDAZOLE, MOXIDECTIN, RONIDAZOLE, THIABENDAZOLE, TRICLABENDAZOLE	MUSCLE	91	0	0.00%	100.00%
	CLENBUTEROL, SALBUTAMOL	LIVER	80	0	0.00%	100.00%
	ALDRIN, ALPHA-HCH, CIS CHLORDANE, DIELDRIN, DODECACHLOR, HCB (HEXACHLOROBENZENE), HEPTACHLOR EPOXIDE, HEPTACHLOR, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PP-DDD, PP-DDE, PP-DDT, TRANS-CHLORDANE	FAT	34	0	0.00%	100.00%
	MERCURY	MUSCLE	31	0	0.00%	100.00%
	ARSENIC, CADMIUM, LEAD	LIVER	205	1	0.49%	99.51%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-OMS/G), PCDD/F-TEQ-OMS (PG TEQ-OMS/G)	FAT	297	0	0.00%	100.00%
	AFLATOXIN B1, OCHRATOXIN A - OTA.	LIVER	31	0	0.00%	100.00%
	<sup>(1)</sup>	MUSCLE	32	0	0.00%	100.00%
	DES (DIETHYLSTILBESTROL), ZERANOL	LIVER	31	0	0.00%	100.00%
	<b>TOTAL - POULTRY</b>			<b>3163</b>	<b>3</b>	<b>0.09%</b>
<b>SLAUGHTERED BOVINE</b>	TOLFENAMIC ACID, MEFENAMIC ACID, CARPROFEN, KETOPROFEN, DICLOFENAC, PHENYLBUTAZONE, FLUNIXIN MEGLUMINE, INDOMETACIN, MELOXICAN, NAPROXENE, NIMESULIDE, PIROXICAN, PROPIFENAZONE	MUSCLE	101	0	0.00%	100.00
	BETAMETHASONE, DEXAMETHASONE, PREDNISOLONE, PREDNISONE	LIVER	60	0	0.00	100.00%

	AMIKACIN, AMPICILLIN, APRAMYCIN, CEFAZOLIN, LINDAMYCIN, CHLORTETRACYCLINE, DIHYDROSTREPTOMYCIN, DOXYCYCLINE, ERYTHROMYCIN, SPECTINOMYCIN, STREPTOMYCIN, GENTAMYCIN, KANAMYCIN, LINCOMYCIN, NEOMYCIN, OXACILLIN, OXYTETRACYCLINE, PENICILLIN G, PENICILLIN V, TETRACYCLIN, TILMICOSIN, TYLOSIN, TOBRAMYCIN	KIDNEY	605	0	0.00%	100.00%
	NALIDIXIC ACID, OXOLINIC ACID, AZITHROMYCIN, CIPROFLOXACIN, CLINDAMYCIN, CHLORTETRACYCLINE, DANOFLOXACIN, DIFLOXACIN, DOXYCYCLINE, ENROFLOXACIN, ERYTHROMYCIN, SPIRAMYCIN, FLUMEQUINE, LINCOMYCIN, NORFLOXACIN, OXYTETRACYCLINE, SARAFLOXACIN, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, SULFISOXAZOL, TETRACYCLINE, TILMICOSIN, TYLOSIN, TRIMETHOPRIM	MUSCLE	604	0	0.00%	100.00%
	FURALTADONE/AMOZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFUZZAZONE/SEM	MUSCLE	81	0	0.00%	100.00%
	CHLORAMPHENICOL, FLORFENICOL, THIANPHENICOL	MUSCLE	102	0	0.00%	100.00%
	ABAMECTIN, DORAMECTIN, EPRINOMECTIN, FIPRONIL, IVERMECTIN, MONENSIN, MOXIDECTIN, SISAPRONIL	LIVER	227	6	2.64%	97.36%
	DORAMECTIN, ABAMECTIN, ALBENDAZOLE, CLOSANTEL, DIMETRIDAZOLE, EPRINOMECTIN, FENBENDAZOLE SULFONE, FLUBENDAZOLE, IPRONIDAZOLE, IVERMECTIN, LEVAMISOLE, MEBENDAZOLE, METRONIDAZOLE, MOXIDECTIN, RONIDAZOLE, THIABENDAZOLE, TRICLABENDAZOLE	MUSCLE	279	0	0.00%	100.00%
	CIMATEROL, CLENBUTEROL, RACTOPAMINE, SALBUTAMOL, ZILPATEROL	URINE	302	1	0.66%	99.34%
	RACTOPAMINE	MUSCLE	151	0	0.00%	100.00%
	ALDRIN, ALPHA-HCH, CIS CHLORDANE, DIELDRIN, DODECACHLOR, GAMMA-HCH, HCB (HEXACHLOROBENZENE), HEPTACHLOR EPOXIDE, HEPTACHLOR, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PP-DDD, PP-DDE, PP-DDT, TRANS CHLORDANE	FAT	32	0	0.00%	100.00%
	CADMIUM, ARSENIC, LEAD	KIDNEY	195	3	1.54%	98.46%
	MERCURY	MUSCLE	34	0	0.00%	100.00%
	PCDD/F-TEQ-OMS (PG TEQ-OMS/G), PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-OMS/G)	FAT	42	0	0.00%	100.00%
	(1)	MUSCLE	100	0	0.00%	100.00%
	ACEBUTOLOL, ACEPROMAZINE, ATENOLOL, AZAPEROL, AZAPERONE, BETAXOLOL, BISOPROLOL, CARAZOLOL, CARVEDILOL, CHLORPROMAZINE, LABTALOL, METOPROLOL, NADOLOL, NEBIVOLOL, PENBUTOLOL, PINDOLOL, PROPANOLOL, SOTALOL, XYLASIN	KIDNEY	62	0	0.00%	100.00%
	2-THIOURACIL, 6-METHYL, 2-THIOURACIL, TAPAZOLE, 6-PROPYL, 2-THIOURACIL	URINE	82	0	0.00%	100.00%
	ZERANOL, 16-BETA-HYDROXYSTANOZOLOL, ALPHA-TRENBOLONE, BETA-BOLDENONE, DES(DIETHYLSTILBESTROL), DIENESTROL, ETHISTERONE, HEXESTROL, METHENOLONE, METHYLBOLDENONE, NORETHANDROLONE	URINE	612	1	0.16%	99.84%
	<b>TOTAL - BOVINE</b>		<b>3671</b>	<b>11</b>	<b>0.30%</b>	<b>99.70%</b>
<b>FARMED SHRIMP</b>	CHLORAMPHENICOL, CHLORTETRACYCLINE, DOXYCYCLINE, FLORFENICOL, OXYTETRACYCLINE, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, SULFISOXAZOLE, TETRACYCLINE, THIANPHENICOL	MUSCLE	48	0	0.00%	100.00%
	FURALTADONE/AMOZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFUZZAZONE/SEM	MUSCLE	76	0	0.00%	100.00%
	ARSENIC, CADMIUM, LEAD, MERCURY	MUSCLE	41	1	2.44%	97.66%
	CRYSTAL VIOLET; MALACHITE GREEN	MUSCLE	28	0	0.00%	100.00%
	<b>TOTAL - FARMED SHRIMP</b>		<b>193</b>	<b>1</b>	<b>0.52%</b>	<b>99.48%</b>
<b>EQUINE</b>	PHENYLBUTAZONE, FLUNIXIN MEGLUMINE,	MUSCLE	12	0	0.00%	100.00%

	BETAMETHASONE, DEXAMETHASONE, PREDNISOLONE, PREDNISON	LIVER	9	0	0.00%	100.00%
	AMIKACIN, AMPICILLIN, APRAMYCIN, CEFAZOLIN, CLINDAMYCIN, CHLORTETRACYCLINE, DIHYDROSTREPTOMYCIN, DOXYCYCLINE, ERYTHROMYCIN, SPECTINOMYCIN, STREPTOMYCIN, GENTAMYCIN, KANAMYCIN, LINCOCYCIN, NEOMYCIN, OXACILLIN, OXYTETRACYCLINE, PENICILLIN G, PENICILLIN V, TETRACYCLIN, TILMICOSIN, TYLOSIN, TOBRAMYCIN	KIDNEY	14	0	0.00%	100.00%
	NALIDIXIC ACID, OXOLINIC ACID, AZITHROMYCIN, CIPROFLOXACIN, CLINDAMYCIN, CHLORTETRACYCLINE, DANOFLOXACIN, DIFLOXACIN, DOXYCYCLINE, ENROFLOXACIN, ERYTHROMYCIN, SPIRAMYCIN, FLUMEQUINE, LINCOCYCIN, NORFLOXACIN, OXYTETRACYCLINE, SARAFLOXACIN, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, SULFISOXAZOLE, TETRACYCLINE, TILMICOSIN, TYLOSIN, TRIMETHOPRIM	MUSCLE	8	0	0.00%	100.00%
	FURALTADONE/AMOZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFURAZONE/SEM	MUSCLE	8	0	0.00%	100.00%
	CHLORAMPHENICOL, FLORFENICOL, THIANPHENICOL	MUSCLE	2	0	0.00%	100.00%
	ABAMECTIN, DORAMECTIN, EPRINOMECTIN, IVERMECTIN, MOXIDECTIN	LIVER	16	0	0.00%	100.00%
	ABAMECTIN, ALBENDAZOLE, CLOSANTEL, DIMETRIDAZOLE, DORAMECTIN, EPRINOMECTIN, FENBENDAZOLE SULFONE, FENBENDAZOLE, FLUBENDAZOLE, IPRONIDAZOLE, IVERMECTIN, LEVAMISOLE, MEBENDAZOLE, METRONIDAZOLE, MOXIDECTIN, OXIBENDAZOLE, RONIDAZOLE, THIABENDAZOLE, TRICLABENDAZOLE	MUSCLE	8	0	0.00%	100.00%
	ALDRIN, ALPHA-HCH, CIS CHLORDANE, DIELDRIN, DODECACHLOR, HCB (HEXACHLOROBENZENE), HEPTACHLOR EPOXIDE, HEPTACHLOR, OP-DDT, PCB 101, PCB 118PCB 138, PCB 153, PCB 180, PP-DDD, PP-DDE, PP-DDT, TRANS CHLORDANE	FAT	6	0	0.00%	100.00%
	CADMIUM, ARSENIC, LEAD	KIDNEY	23	0	0.00%	100.00%
	(1)	MUSCLE	8	0	0.00%	100.00%
	ACEBUTOLOL, ACEPROMAZINE, ATENOLOL, AZAPEROL, AZAPERONE, BETAXOLOL, BISOPROLOL, CARAZOLOL, CARVEDILOL, CHLORPROMAZINE, LABTALOL, METOPROLOL, NADOLOL, NEBIVOLOL, PENBUTOLOL, PINDOLOL, PROPANOLOL, SOTALOL, XYLASIN	KIDNEY	8	0	0.00%	100.00%
	16-BETA-HYDROXYSTANOZOLOL, ALPHA-TRENBOLONE, BETA-BOLDENONE, DES(DIETHYLSTILBESTROL), DIENESTROL, ETHISTERONE, HEXESTROL, METHENOLONE, METHYLBOLDENONE, NORETHANDROLONE, ZERANOL	URINE	8	1	12.50%	87.50%
	<b>TOTAL - EQUINE</b>		<b>130</b>	<b>1</b>	<b>0.77%</b>	<b>99.23%</b>
<b>HONEY</b>	CHLORTETRACYCLINE, DOXYCYCLINE, ERYTHROMYCIN, OXYTETRACYCLINE, SULFADIMETHOXINE, SULFAMETHAZINE, SULFATHIAZOLE, TETRACYCLINE, TYLOSIN	HONEY	57	0	0.00%	100.00%
	CHLORAMPHENICOL, FURALTADONE/AMOZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFURAZONE/SEM	HONEY	21	0	0.00%	100.00%
	CADMIUM, ARSENIC, LEAD	HONEY	88	0	0.00%	100.00%
	(1)	HONEY	44	2	4.55%	95.45%
	<b>TOTAL - HONEY</b>		<b>210</b>	<b>2</b>	<b>0.95%</b>	<b>99.05%</b>
<b>FARMED FISH</b>	NALIDIXIC ACID, OXOLINIC ACID, CIPROFLOXACIN, CHLORAMPHENICOL, CHLORTETRACYCLINE, DANOFLOXACIN, DIFLOXACIN, DOXYCYCLINE, ENROFLOXACIN, FLORFENICOL, FLUMEQUINE, NORFLOXACIN, OXYTETRACYCLINE, SARAFLOXACIN, SULFACHLORPYRIDAZINE, SULFADIAZINE	MUSCLE	69	0	0.00%	100.00%

	SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, SULFISOXAZOLE, TETRACYCLINE, THIANPHENICOL					
	FURALTADONE/AMAZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFURAZONE/SEM	MUSCLE	52	0	0.00%	100.00%
	ALDRIN, ALPHA-HCH, BETA-HCH, DELTA-HCH, DODECACHLOR, ENDRIN, HEPTACHLOR	MUSCLE	12	0	0.00%	100.00%
	ARSENIC, CADMIUM, LEAD, MERCURY	MUSCLE	76	0	0.00%	100.00%
	CRYSTAL VIOLET, MALACHITE GREEN	MUSCLE	60	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-OMS/G), PCDD/F-TEQ-OMS (PG TEQ-OMS/G)	MUSCLE	50	0	0.00%	100.00%
	(1)	MUSCLE	40	0	0.00%	100.00%
	DES (DIETHYLSTILBESTROL)	MUSCLE	55	0	0.00%	100.00%
	<b>TOTAL - FARMED FISH</b>		<b>414</b>	<b>0</b>	<b>0.00%</b>	<b>100.00%</b>
<b>EGGS</b>	CHLORAMPHENICOL, FURALTADONE/AMAZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFURAZONE/SEM	EGGS	61	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-OMS/G), PCDD/F-TEQ-OMS (PG TEQ-OMS/G)	EGGS	177	0	0.00%	100.00%
	DICHLOROISOEVERNINIC ACID, NALIDIXIC ACID, OXOLINIC ACID, AMPROLIUM, CIPROFLOXACIN, CLOPIDOL, CHLORAMPHENICOL, DANOFLOXACIN, DECOQUINATE, DIAVERIDINE, DICLAZURIL, DIFLOXACIN, ENROFLOXACIN, ETHOPABATE, FLORFENICOL, FLUMEQUINE, LASALOCID, MADURAMICIN, MONENSIN, NARASIN, NICARBAZINE, NORFLOXACIN, ROBENIDINE, SALINOMYCIN, SARAFLOXACIN, SENDURAMYCIN, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, THIANPHENICOL, TOLTRAZURIL, TRIMETHOPRIM	EGGS	256	7	2.73%	97.27%
	(1)	EGGS	41	0	0.00%	100.00%
	<b>TOTAL - EGGS</b>		<b>535</b>	<b>7</b>	<b>1.31%</b>	<b>98.69%</b>
<b>MILK</b>	TOLFENAMIC ACID, MEFENAMIC ACID, CARPROFEN, KETOPROFEN, DICLOFENAC, PHENYLBUTAZONE, FLUNIXIN MEGLUMINE, INDOMETACIN, NAPROXENE, NIMESULIDE, MELOXICAN, PIROXICAN, PROPIFENAZONE, 5-HIDROXIFLUNIXINE	MILK	62	0	0.00%	100.00%
	NALIDIXIC ACID, OXOLINIC ACID, AMOXICILLIN, AMPICILLIN, AZITHROMYCIN, BROMHEXINE, CEFALEXIN, CEFALONIUM, CEPHAPIRIN, CEFOPERAZONE, CEFQUINOME, CEFTIOFUR, CIPROFLOXACIN, CLINDAMYCIN, CHLORAMPHENICOL, CHLORTETRACYCLINE, CLOXACILLIN, DANOFLOXACIN, DICLOXACILLIN, DIFLOXACIN, DOXYCYCLINE, ENROFLOXACIN, ERYTHROMYCIN, SPIRAMYCIN, FLORFENICOL, FLUMEQUINE, LINCOMYCIN, NAFCILLIN, NORFLOXACIN, OXACILLIN, OXYTETRACYCLINE, PENICILLIN G, PENICILLIN V, SARAFLOXACIN, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, SULFISOXAZOLE, TETRACYCLINE, THIANPHENICOL, TILMICOSIN, TYLOSIN, TRIMETHOPRIM	MILK	298	2	0.67%	99.33%
	ARSENIC, CADMIUM, LEAD	MILK	160	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-OMS/G), PCDD/F-TEQ-OMS (PG TEQ-OMS/G)	MILK	42	0	0.00%	100.00%
	Aflatoxin M1	MILK	62	0	0.00%	100.00%
	ABAMECTIN, NALIDIXIC ACID, OXOLINIC ACID, ALBENDAZOLE, AMOXICILLIN, AMPICILLIN, AZITHROMYCIN, BROMHEXINE, CEFALEXIN, CEFALONIUM, CEFAPIRIN, CEFOPERAZONE, CEFQUINOME, CEFTIOFUR, CIPROFLOXACIN, CLINDAMYCIN, CHLORAMPHENICOL,	MILK	299	4	1.34%	98.66%

	CHLORTETRACYCLINE, CLOXACILLIN, DANOFLOXACIN, DICLOXACILLIN, DIFLOXACIN, DORAMECTIN, DOXYCYCLINE, ENROFLOXACIN, EPRINOMECTIN, ERYTHROMYCIN, SPIRAMYCIN, FLORFENICOL, FLUMEQUINE, IVERMECTIN, LINCOMYCIN, MONENSIN, MOXIDECTIN, NAFACILLIN, NORFLOXACIN, OXACILLIN, OXYTETRACYCLINE, PENICILLIN G, PENICILLIN V, SARAFLOXACIN, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, SULFISOXAZOL, TETRACYCLINE, THIANPHENICOL, TILMICOSIN, TYLOSIN, TRIMETHOPRIM					
	(1)	MILK	158	2	1.27%	98.73%
		<b>TOTAL - MILK</b>	<b>1081</b>	<b>8</b>	<b>0.74%</b>	<b>99.26%</b>
<b>WILD FISH</b>	ARSENIC, CADMIUM, LEAD, MERCURY	MUSCLE	59	16	27.12%	72.88%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-OMS/G), PCDD/F-TEQ-OMS (PG TEQ-OMS/G)	MUSCLE	46	0	0.00%	100.00%
		<b>TOTAL - WILD FISH</b>	<b>105</b>	<b>16</b>	<b>15.24%</b>	<b>84.76%</b>
<b>SWINE</b>	4-METHYLAMINO ANTIPYRINE, 5-HIDROXYFLUNIXIN, MEFENAMIC ACID, TOLFENAMIC ACID, CARPROFEN, KETOPROFEN, DICLOFENAC, PHENYLBUTAZONE, FLUNIXIN MEGLUMINE, INDOMETACIN, MELOXICAN, NAPROXENE, NIMESULIDE, PIROXICAN, PROPIFENAZONE	MUSCLE	152	0	0.66%	99.34%
	DICHLOROISOEVERNINIC ACID, AMPROLIUM, CLOPIDOL, DECOQUINATE, DIAVERIDINE, DICLAZURIL, ETHOPABATE, LASALOCID, MADURAMICIN, MONENSIN, NARASIN, NICARBAZINE, ROBENIDINE, SALINOMYCIN, SEMDURAMYCIN, TOLTRAZURIL, TRIMETHOPRIM	MUSCLE	93	0	0.00%	100.00%
	BETAMETHASONE, DEXAMETHASONE, PREDNISOLONE, PREDNISON	LIVER	62	0	0.00%	100.00%
	AMIKACIN, AMOXICILLIN, AMPICILLIN, APRAMYCIN, CEFAZOLIN, CLINDAMYCIN, CHLORTETRACYCLINE, CLOXACILLIN, DAPSONE, DICLOXACILLIN, DIHYDROSTREPTOMYCIN, DOXYCYCLINE, ERYTHROMYCIN, SPECTINOMYCIN, STREPTOMYCIN, GENTAMYCIN, HYGROMYCIN, KANAMYCIN, LINCOMYCIN, NAFACILLIN, NEOMYCIN, OXACILLIN, OXYTETRACYCLINE, PENICILLIN G, PENICILLIN V, RIFAMPICIN, TETRACYCLINE, TILMICOSIN, TYLOSIN, TOBRAMYCIN	KIDNEY	587	0	0.34%	99.66%
	NALIDIXIC ACID, OXOLINIC ACID, AZITHROMYCIN, CIPROFLOXACIN, CLINDAMYCIN, CHLORTETRACYCLINE, DANOFLOXACIN, DIFLOXACIN, DOXYCYCLINE, ENROFLOXACIN, ERYTHROMYCIN, SPIRAMYCIN, FLUMEQUINE, LINCOMYCIN, NORFLOXACIN, OXYTETRACYCLINE, SARAFLOXACIN, SULFACHLORPYRIDAZINE, SULFADIAZINE, SULFADIMETHOXINE, SULFADOXINE, SULFAMERAZINE, SULFAMETHAZINE, SULFAMETHOXAZOLE, SULFAQUINOXALINE, SULFATHIAZOLE, SULFISOXAZOL, TETRACYCLINE, TILMICOSIN, TYLOSIN, TRIMETHOPRIM	MUSCLE	601	5	0.83%	99.17%
	FURALTADONE/AMAZ, FURAZOLIDONE/AOZ, NITROFURANTOIN/AHD, NITROFURAZONE/SEM	MUSCLE	204	0	0.00%	100.00%
	CHLORAMPHENICOL, FLORFENICOL, THIANPHENICOL	MUSCLE	150	0	0.00%	100.00%
	ABAMECTIN, DORAMECTIN, EPRINOMECTIN, IVERMECTIN, MOXIDECTIN	LIVER	257	0	0.00%	100.00%
	ABAMECTIN, ALBENDAZOLE, CLOSANTEL, DIMETRIDAZOLE, DORAMECTIN, EPRINOMECTIN, FENBENDAZOLE SULFONE, FLUBENDAZOLE, IPRONIDAZOLE, IVERMECTIN, LEVAMISOLE, MEBENDAZOLE, METRONIDAZOLE, MOXIDECTIN, RONIDAZOLE, THIABENDAZOLE, TRICLABENDAZOLE	MUSCLE	68	0	0.00%	100.00%
	CIMATEROL, CLENBUTEROL, RACTOPAMINE, SALBUTAMOL, ZILPATEROL	LIVER	44	0	0.00%	100.00%
	RACTOPAMINE	MUSCLE	152	0	0.00%	100.00%
	ALDRIN, ALPHA-HCH, CIS CHLORDANE, DIELDRIN, DODECACHLOR, HCB (HEXACHLOROBENZENE), HEPTACHLOR EPOXIDE, HEPTACHLOR, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PP-DDD, PP-DDE, PP-DDT, TRANS-CHLORDANE	FAT	33	0	0.00%	100.00%

	ARSENIC, CADMIUM, LEAD	KIDNEY	150	0	0.00%	100.00%
	MERCURY	MUSCLE	30	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-OMS/G),PCDD/F-TEQ-OMS (PG TEQ-OMS/G)	FAT	149	0	0.00%	100.00%
	AFLATOXIN B1, OCHRATOXIN A - OTA	LIVER	32	0	0.00%	100.00%
	(1)	MUSCLE	37	0	0.00%	100.00%
	ACEBUTOLOL, ACEPROMAZINE, ATENOLOL, AZAPEROL, AZAPERONE, BETAXOLOL, BISOPROLOL, CARAZOLOL, CARVEDILOL, CHLORPROMAZINE, LABTALOL, METOPROLOL, NADOLOL, NEBIVOLOL, PENBUTOLOL, PINDOLOL, PROPANOLOL, SOTALOL, XYLASIN	KIDNEY	61	0	00.00%	100.00%
	2-THIOURACIL, 6-METHYL, 2-THIOURACIL, 6-PROPYL, 2-THIOURACIL, TAPAZOLE	URINE	71	0	0.00%	100.00%
	16-BETA-HYDROXYSTANOZOLOL, ALPHA-TRENBOLONE, BETA-BOLDENONE, DES (DIETHYLSTILBESTROL), DIENESTROL, ETHISTERONE, HEXESTROL, METHENOLONE, METHYLBOLDENONE, NORETHANDROLONE, ZERANOL	URINE	60	1	1.67%	98.33%
	<b>TOTAL - SWINE</b>		<b>2993</b>	<b>6</b>	<b>0.20%</b>	<b>99.80%</b>
	<b>GRAND TOTAL - ALL SPECIES/CATEGORIES</b>		<b>12495</b>	<b>55</b>	<b>0.44%</b>	<b>99.56%</b>

(1) Substances monitored in the Agrochemical method:

acephate, acetamiprid, alachlor, aldicarb, aldicarb sulfone, allethrin, amitraz, azinphos ethyl, azinphos methyl, azoxystrobin, barban, benfuracarb, bentazone, bifenthrin, bitertanol, boscalid, bromopropylate, bromuconazole, bupiramate, carbaryl, carbendazim, carbophenothion, carbofuran, carbosulfan, ciazofamide, cyfluthrin, cymoxanil, cypermethrin, cyproconazole, chlorbromuron, chlorfenvinphos (cis/trans), clorimuron, chlorpyrifos, chlorpyrifos methyl, cresoxim methyl, deltamethrin, desmedifan, diazinon, dichlorvos, dicotophos, difenoconazole, diflubenzuron, dimethoate, dimethomorph, dimoxistrobin, disulfoton sulfone, disulfoton, sulfoxide, disulfoton, diuron, dodemorph, epoxiconazole, ethiofencarb sulfone, ethiofencarb sulfoxide, ethion, ethiprole, ethirimol, etofenprox, ethoprophos, fenpropathrin, fenamiphos, fenamiphos sulfone, fenamiphos sulfoxide, fenarimol, fenitrothion, fenobucarb, fenoxycarb, fenpyroximate, fenthion sulfoxide, fipronil, fluzafop butyl, flucytrinate, fludioxonyl, flufenacet, flufenoxuron, flusilazole, flutriafol, foransulfuron, phorate, phorate sulfone, phorate sulphoxide, phosalone, phosphamidone, phosmet, fosthiazate, furathiocarb, hexaconazole, hexithiazole, imazalyl, imibenconazole, imidacloprid, iprobenphos, iprodione, iprovalicarb, isocarbophos, isoproturon, lambda-cyhalothrin, linuron, malaoxon, malathion, metazachlor, mephospholan, mesotrione, metalaxyl, methamidophos, metconazole, methidathion, methiocarb sulfone, methiocarb sulfoxide, methomyl, metoxyfenazide, metoxuron, metsulfuron methyl, mevinphos, miclobutanyl, monocrotophos, monuron, nitempiram, nuarimol, omethoate, oxamyl, oxycarboxine, oxyfluorfen, paclobutrazol, paraoxon ethyl, paraoxon methyl, parathion ethyl, pencicuron, penconazole, permethrin, pirachlophos, pyraclostrobin, pyrazophos, pyridaben, pyrifenoxy, pyrimicarb, pyrimiphos methyl, pyrimiphos ethyl, pyriproxyfen, prochloraz, profenofos, promecarb, prometryn, propamocarb, proparyl, propargite, propiconazole (isomers), propoxur, prosulfuron, simazim, tebuconazole, tebufenpyrade, tepp, terbufos, thiabendazole, thiacloprid, thiamethoxam, tifensulfuron methyl, thiobencarbe, thiodicarb, thiophanate methyl, tolfluanid, triadimefon, tridimenol (isomers), triasulfuron, triazophos, triciclazole, trichlorfon, tridemorph, trifloxitrobin, trifloxusulfuron, triflumuron, triforin, trinexapaque ethyl

## NON-COMPLIANT RESULTS DETECTED AT THE PNCRC 2018

SAMPLED ANIMAL SPECIES/CATEGORY	VIOLATED COMPOUND	ANALYZED TISSUE/MATRIX	REFERENCE LIMIT	TOTAL NUMBER OF TESTED SAMPLES/NUMBER OF VIOLATED SAMPLES AND % OF VIOLATED SAMPLES	CONCENTRATION OF VIOLATED SAMPLES (µg/kg ou µg/L) AND ANALYZED MATRIX
SLAUGHTERED BOVINE	CADMIUM	KIDNEY	1000 µg/kg	195/3 (1.54%)	1163.83; 1478.63; 1764.94 [RIM]
SLAUGHTERED BOVINE	IVERMECTIN	LIVER - 227 <sup>(1)</sup> MUSCLE – 279 <sup>(1)</sup>	100 µg/kg (LIVER) 30 µg/kg (MUSCLE)	506/5 (0.99%)	131.94; 166.84; 186.08; 252.93; 301.09 [LIVER]
SLAUGHTERED BOVINE	DORAMECTIN	LIVER - 227 <sup>(1)</sup> MUSCLE – 279 <sup>(1)</sup>	100 µg/kg (LIVER) 10 µg/kg (MUSCLE)	506/1 (0.20%)	142.06 [LIVER]
SLAUGHTERED BOVINE	RACTOPAMINE	URINE – 302 <sup>(1)</sup> MUSCLE – 151 <sup>(1)</sup>	1.00 µg/L – (URINE) 0.1 µg/kg - (MUSCLE)	453/1 (0.22%)	1.26 [URINE]
SLAUGHTERED BOVINE	ZERANOL	URINE	2.00 µg/L	612/2 (0.33%)	2.50; 15.83 [URINE]
BROILERS	ARSENIC	LIVER	1000 µg/kg	205/1 (0.49%)	1,138.75 [LIVER]
BROILERS	NICARBAZINE	MUSCLE	200 µg/kg	608/1 (0.16%)	299.25
BROILERS	DOXYCYCLINE	KIDNEY – 605 <sup>(1)</sup> MUSCLE – 601 <sup>(1)</sup>	600 µg/kg (KIDNEY) 100 µg/kg (MUSCLE)	1206/1 (0.08%)	352.50 [MUSCLE]
SLAUGHTERED SWINE	ENROFLOXACIN	MUSCLE	100.00 µg/kg	601/1 (0.17%)	156.55 [MUSCLE]
SLAUGHTERED SWINE	DOXYCYCLINE	MUSCLE - 601 <sup>(1)</sup> KIDNEY – 587 <sup>(1)</sup>	100.00 µg/kg (MUSCLE) 600.00 µg/kg (KIDNEY)	1188/2 (0.17%)	180.20; 265.67 [MUSCLE]
SLAUGHTERED SWINE	SULFAMETHAZINE	MUSCLE	1000.00 µg/kg	601/1 (0.17%)	180.76; 240.82 [MUSCLE]
SLAUGHTERED SWINE	BETA-BOLDENONE <sup>(2)</sup>	URINE	1.00 µg/kg	60/1 (1.67%)	1.40 [URINE]
MILK	CHLORPYRIFOS	MILK	20.00 µg/L	158/2 (1.27%)	73.60; 102.60 [MILK]
MILK	SPIRAMYCIN	MILK	200.00 µg/L	597/1 (0.17%)	759.63 [MILK]
MILK	IVERMECTIN	MILK	10.00 µg/L	299/3 (1.00%)	13.32; 14.37; 14.64 [LEITE]
MILK	CEFOPERAZONE	MILK	50.00 µg/L	597/1 (0.17%)	207.00 [MILK]
MILK	ALBENDAZOLE	MILK	100.00 µg/L	299/1 (0.33%)	221.51 [MILK]
MILK	ABAMECTIN	MILK	10.00 µg/L	299/1 (0.33%)	13.51 [MILK]
HONEY	ACEPHATE	HONEY	20 µg/kg	44/2 (4.55%)	22.89; 25.20 [HONEY]
EGGS	ENROFLOXACIN	EGGS	10 µg/kg	256/1 (0.39%)	30.29 [EGGS]
EGGS	SULFAMETHAZINE	EGGS	10 µg/kg	256/3 (1.17%)	12.99 <sup>(4)</sup> ; 13.23 <sup>(5)</sup> ; 16.20 <sup>(6)</sup> [EGGS]
EGGS	SULFACHLORPYRIDAZINE	EGGS	10 µg/kg	256/1 (0.39%)	1354.67 <sup>(7)</sup> [EGGS]

EGGS	TRIMETHROPRIM	EGGS	10 µg/kg	256/5 (1.95%)	75.20; 109.77 <sup>(4)</sup> ; 112.13 <sup>(5)</sup> ; 147.09 <sup>(6)</sup> ; 180.83 <sup>(7)</sup> [EGGS]
EGGS	LASALOCID	EGGS	10 µg/kg	256/1 (0.39%)	15.27 [EGGS]
SLAUGHTERED EQUINE	ZERANOL	URINE	2.00 µg/kg	8/1 (12.5%)	107.2 [URINE]

WILD FISH	ARSENIC <sup>(3)</sup>	MUSCLE	1000.00 µg/kg	59/16 (37.11%)	1097.28; 1120.20; 1226.03; 1239.40; 1294.49; 1351.23; 1400.00; 1423.06; 1488.00; 1498.85; 1848.00; 2724.00; 3055.43; 3791.00; 4057.27; 9176.00; [MUSCLE]
FARMED SHRIMP	ARSENIC <sup>(3)</sup>	MUSCLE	1000.00 µg/kg	41/1 (2.44%)	2137.2 [MUSCLE]

<sup>(1)</sup> Compounds monitored in different matrices. Different matrices are taken from different lots of animals.

<sup>(2)</sup> Presence of the substance attributed to endogenous production (without sign of illegal treatment).

**(3)** The indicated concentration refers to total arsenic. The inorganic fractions are considered as relevant for public health. In fish, the inorganic arsenic, in general, is a small fraction of total arsenic.

<sup>(4)</sup> Same samples of eggs violated for Sulfamethazine and Trimethoprim

<sup>(5)</sup> Same samples of eggs violated for Sulfamethazine and Trimethoprim

<sup>(6)</sup> Same samples of eggs violated for Sulfamethazine and Trimethoprim

<sup>(7)</sup> Same samples of eggs violated for Sulfachlorpyridazine and Trimethoprim