

RESULTS OF THE NATIONAL PLAN FOR CONTROL OF RESIDUES AND CONTAMINANTS - PNCRC 2021

ANIMAL SPECIES/ CATEGORY	MONITORED COMPOUNDS	MATRIX	NUMBER OF TESTED SAMPLES	NUMBER OF NON-COMPLIANT SAMPLES	% OF NON-COMPLIANT SAMPLES	% OF COMPLIANT SAMPLES
BROILERS	Amprolium, Clopidol, Decoquinat, Diaveridin, Diclazuril, Ethopabate , Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazine, Robenidin, Salinomycin, Senduramycin, Toltrazuril, Trimethoprim and Dichloroisovernic acid	MUSCLE	593	1	0.17%	99.83%
	Amikacin, Amoxycillin, Ampicillin, Apramycin, Cefazolin, Clindamycin, Chlortetracycline, Dihydrostreptomycin, Doxycycline, Erythromycin, Spectinomycin, Streptomycin, Gentamicin, Hygromycin, Kanamycin, Lincomycin, Neomycin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Tetracycline, Tilimicosin, Tylosin, and Tobramycin	KIDNEY	586	0	0.00%	100.00%
	Nalidixic acid, Oxolin acid, Azithromycin, Ciprofloxacin, Clindamycin, Chlortetracycline, Danofloxacin, Difloxacin, Doxycycline, Enrofloxacin, Erythromycin, Spiramycin, Flumequin, Lincomycin, Norfloxacin, Oxytetracycline, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Tilimicosin, Tylosin and Trimethoprim	MUSCLE	499	0	0.00%	100.00%
	Nalidixic acid, Oxolin acid, Amikacin, Amoxycillin, Ampicillin, Apramycin, Azithromycin, Cefalexin, Cefalonium, Cefapirin, Cefoperazon, Cefquinom, Ceftiofur, Ciprofloxacin, Clindamycin, Chlortetracycline, Cloxacillin, Danofloxacin, Dicloxacillin, Difloxacin, Dihydrostreptomycin, Doxycycline, Enrofloxacin, Erythromycin, Spectinomycin, Spiramycin, Streptomycin, Flumequin, Gentamicin, Hygromycin, Kanamycin, Lincomycin, Nafcillin, Neomycin, Norfloxacin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Sarafloxacin, Sum of enrofloxacin and ciprofloxacin, Sum of chlortetracycline/oxytetracycline/tetracycline, Sum of sulfonamides , Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Tetracycline, Tilimicosin, Tylosin, Tobramycin and Trimethoprim	MUSCLE	97	1	1.03%	98.97%
	Furaltadone/AMOX, Furazolidone/AOX, Nitrofurantoin/AHD and Nitrofurazone/SEM	MUSCLE	302	0	0.00%	100.00%
	Chloramphenicol, Florfenicol and Thiamphenicol	MUSCLE	204	0	0.00%	100.00%
	Abamectin, Doramectin, Eprinomectin, Ivermectin and Moxidectin	LIVER	91	0	0.00%	100.00%
	Albendazole 2-amino sulphone, Albendazole sulphone, Albendazole sulphoxide, Amino flubendazole, Closantel, Dimetridazole, Dimetridazole - Hydroxy, Oxfendazole sulphone equivalent, Febantel, Fenbendazol, Flubendazol, Iprnidazole, Iprnidazole - Hydroxy, Levamisol, Mebendazol, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazol, Oxfendazole, Ronidazol, Thiabendazole and Triclabendazol	MUSCLE	93	0	0.00%	100.00%
	Cimaterol, Clenbuterol, Ractopamin, Salbutamol and Zilpaterol	LIVER	72	0	0.00%	100.00%

	Aldrin, HCH, alpha-, Chlordan, cis, Dieldrin, Dodecachlor, HCH, gamma , HCB, Heptachlor, Heptachlor, OP-DDE, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PP-DDD, PP-DDE, PP-DDT and Chlordan, trans	FAT	32	0	0.00%	100.00%
	Arsenic (total), Cadmium and Lead	LIVER	100	0	0.00%	100.00%
	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	101	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-WHO/G) and PCDD/F-TEQ-OMS (PG TEQ-WHO/G)	FAT	256	0	0.00%	100.00%
	Aflatoxin B1, Aflatoxin B2 - AFG2, Aflatoxin G1 - AFG1, Aflatoxin G2 - AFG2, Citreoviridin - CIT, Deoxynivalenol - DON, Fumonisin B1 - FB1, Fumonisin B2 - FB2, Ochratoxin A and Zearalanon	LIVER	20	0	0.00%	100.00%
	(1)	MUSCLE	31	0	0.00%	100.00%
	Beta-Hydroxystanozolol, 17-alpha-methyltestosterone, Alpha-Zearalenol , Alfa-Trenbolon , Beta-Boldenone, Beta-Zearalenol, Beta-Trenbolon , Diethylstilbestrol, Dienestrol, Stanozolol, Ethisteron, Hexestrol, Methenolon, Taleranol (B-Zearalanol), Zearalanon and Zeranol	LIVER	30	0	0.00%	100.00%
TOTAL - POULTRY			3107	2	0.06%	99.94%
SLAUGHTERED BOVINE	4-Methylaminoantipyrine , Carprofen , Ketoprofen, Diclofen, Phenylbutazone, Flunixin meglumine, Indomethacin, Meloxicam, Naproxen, Nimesulide, Piroxicam, Propyphenazon, Mefenaminacid and Tolfenaminsacid	MUSCLE	101	0	0.00%	100.00%
	Amprolium, Lasalocid, Monensin, Narasin, Salinomycin and Toltrazuril	MUSCLE	31	0	0.00%	100.00%
	Betamethasone, Dexamethasone, Prednisolon and Prednison	LIVER	62	0	0.00%	100.00%
	Amikacin, Amoxycillin, Ampicillin, Apramycin, Cefazolin, Clindamycin, Chlortetracycline, Dihydrostreptomycin, Doxycycline, Erythromycin, Spectinomycin, Streptomycin, Gentamicin, Hygromycin, Kanamycin, Lincomycin, Neomycin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Tetracycline, Tilmicosin, Tylosin and Tobramycin	KIDNEY	573	0	0.00%	100.00%
	Nalidixinacid, Oxolin acid, Azithromycin, Ciprofloxacin, Clindamycin, Chlortetracycline, Danofloxacin, Difloxacin, Doxycycline, Enrofloxacin, Erythromycin, Spiramycin, Flumequin, Lincomycin, Norfloxacin, Oxytetracycline, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Tilmicosin, Tylosin and Trimethoprim	MUSCLE	503	0	0.00%	100.00%

Nalidixic acid, Oxolin acid, Amikacin, Amoxycillin, Ampicillin, Apramycin, Azithromycin, Cefalexin, Cefalonium, Cefapirin, Cefoperazon, Cefquinom, Ceftiofur, Ciprofloxacin, Clindamycin, Chlortetracycline, Cloxacillin, Danofloxacin, Dicloxacillin, Difloxacin, Dihydrostreptomycin, Doxycycline, Enrofloxacin, Erythromycin, Spectinomycin, Spiramycin, Streptomycin, Flumequin, Gentamicin, Hygromycin, Kanamycin, Lincomycin, Nafcillin, Neomycin, Norfloxacin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Sarafloxacin, Sum of enrofloxacin and ciprofloxacin, Sum of chlortetracycline/oxytetracycline/tetracycline, Sum of dihydrostreptomycin and streptomycin, Sum of sulfonamides, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Tetracycline, Tilmicosin, Tylosin, Tobramycin and Trimethoprim	MUSCLE	100	0	0.00%	100.00%
Chloramphenicol, Florfenicol and Thiamphenicol	MUSCLE	100	0	0.00%	100.00%
Abamectin, Doramectin, Eprinomectin, Ivermectin and Moxidectin	LIVER	50	0	0.00%	100.00%
Abamectin, Doramectin, Eprinomectin, Fipronil, Fipronil sulphone, Ivermectin, Monensin, Moxidectin, Sisapronil, Sum of fipronil and fipronil sulphone	LIVER	551	7	1.27%	98.73%
Ketotriclabendazole, Ketotriclabendazole equivalent, Albendazol, Albendazole 2-amino sulphone, Albendazole sulphone, Albendazole sulfoxide, Amino flubendazole, Dimetridazole, Dimetridazole - Hydroxy, Oxfendazole sulphone equivalent, Febantel, Fenbendazol, Flubendazol, Iprnidazole, Iprnidazole - Hydroxy, Levamisol, Mebendazol, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazol, Oxfendazole, Ronidazol, Sum of thiabendazole and 5-hydroxythiabendazole, Thiabendazole, 5-hydroxythiabendazole, Triclabendazol and Thiabendazole sulphone	MUSCLE	123	0	0.00%	100.00%
Cimaterol, Clenbuterol, Ractopamin, Salbutamol, Zilpaterol and Cimaterol	URINE	301	2	0.66%	99.34%
Clenbuterol, Ractopamin, Salbutamol and Zilpaterol	MUSCLE	153	0	0.00%	100.00%
Aldrin, HCH, alpha-, Chlordan, cis, Dieldrin, Dodecachlor, HCH, gamma, HCB, Heptachlor, Heptachlor, OP-DDE, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PP-DDD, PP-DDE, PP-DDT and Chlordan, trans	FAT	30	0	0.00%	100.00%
Arsenic (total), Cadmium and Lead	KIDNEY	98	1	1.02%	98.98%
Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	101	0	0.00%	100.00%
PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-WHO/G) and PCDD/F-TEQ-OMS (PG TEQ-WHO/G)	FAT	43	0	0.00%	100.00%
Aflatoxin B1, Aflatoxin B2 - AFG2, Aflatoxin G1 - AFG1, Aflatoxin G2 - AFG2, Citreoviridin - CIT, Deoxynivalenol - DON, Fumonisin B1 - FB1, Fumonisin B2 - FB2, Ochratoxin A and Zearalanon	LIVER	16	0	0.00%	100.00%
(1)	MUSCLE	118	0	0.00%	100.00%

	Acebutolol , Acepromazin, Atenolol, Azaperol, Azaperon, Betaxolol , Bisoprolol, Carazolol, Carvedilol, Chlorpromazin, Labetalol, Metoprolol, Nadolol, Nebivolol, Penbutolol, Pindolol, Propranolol , Sotalol, Xylazine amd Sum of azaperone and azaperol	KIDNEY	61	0	0.00%	100.00%
	2-Thiouracil, 6-propil-2-thiouracil, 5-methyl-2-thiouracil and Tapazol	URINE	87	0	0.00%	100.00%
	Alpha-Zearalenol , Beta-Zearalenol, Beta-Trenbolon , Stanazolol, Taleranol (B-Zearalanol), Zearalanon, Beta-Hydroxystanozolol, Alfa-Trenbolon , Beta-Boldenone, Diethylstilbestrol, Dienestrol, Ethisteron, Hexestrol, Methenolon, Methylboldenon, Norethandrolon and Zeranol	URINE	591	0	0.00%	100.00%
	TOTAL - SLAUGHTERED BOVINE		3793	10	0.26%	99.74%
FARMED SHRIMP	Chloramphenicol, Chlortetracycline, Doxycycline, Florfenicol, Oxytetracycline, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline and Thiamphenicol	MUSCLE	49	1	2.04%	97.96%
	Furaltadone/AMOZ, Furazolidone/AOZ, Nitrofurantoin/AHD and Nitrofurazone/SEM	MUSCLE	58	0	0.00%	100.00%
	Albendazol, Albendazole 2-amino sulphone, Albendazole sulphone, Albendazole sulphoxide, Amino flubendazole, Closantel, Dimetridazole, Dimetridazole - Hydroxy, Febantel, Fenbendazol, Flubendazol, Iprnidazole, Iprnidazole - Hydroxy, Levamisol, Mebendazol, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazol, Oxfendazole, Ronidazol, Thiabendazole, 5-hydroxythiabendazole, Triclabendazol and Thiabendazole sulphone	MUSCLE	14	0	0.00%	100.00%
	Aldrin, HCH, alpha-, Chlordan, cis, Dieldrin, Dodecachlor, HCH, gamma , HCB, Heptachlor, Heptachlor, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PCB 28, PCB 52, PP-DDD, PP-DDE, PP-DDT, Sum Andrin, Dieldrin , Sum Chlordan, cis- trans-, Sum DDTs, Sum Heptachlor, Heptachlorepoxid, Sum PCBs and Chlordan, trans	MUSCLE	18	0	0.00%	100.00%
	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	46	0	0.00%	100.00%
	Cristallviolet, Leuco-, Malachitegreen, Leuco-, Cristallviolet and Malachite green	MUSCLE	56	0	0.00%	100.00%
	Benzo(a)anthracene, Benzopyren, Benzopyren Equivalents (ANVISA 2019), Benzo(b)fluoranthene, Benzo[ghi]perylene, Benzo(k)fluoranthene, Criseno, Dibenz[a,h]anthracene, Indeno[1,2,3-cd]pyrene and Sum 4 PAHs	MUSCLE	28	0	0.00%	100.00%
	TOTAL - FARMED SHRIMP		269	1	0.37%	99.63%
EQUINE	4-Methylaminoantipyrine , Carprofen , Diclofen, Phenylbutazone, Flunixin meglumine, Meloxicam, Nimesulide, Piroxicam and Tolfenaminsacid	MUSCLE	18	0	0.00%	100.00%
	Betamethasone, Dexamethasone, Prednisolon and Prednison	LIVER	11	0	0.00%	100.00%
	Amikacin, Amoxycillin, Ampicillin, Apramycin, Cefazolin, Clindamycin, Chlortetracycline, Dihydrostreptomycin, Doxycycline, Erythromycin, Spectinomycin, Streptomycin, Gentamicin, Hygromycin, Kanamycin, Lincomycin, Neomycin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Tetracycline, Tilmicosin, Tylosin and Tobramycin	KIDNEY	16	0	0.00%	100.00%

	Nalidixic acid, Oxolinic acid, Azithromycin, Ciprofloxacin, Clindamycin, Chlortetracycline, Danofloxacin, Difloxacin, Doxycycline, Enrofloxacin, Erythromycin, Spiramycin, Flumequin, Lincomycin, Norfloxacin, Oxytetracycline, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazole, Sulfamonomethoxine, Sulfathiazol, Sulfisoxazole, Tetracycline, Trimethoprim and Trimethoprim-sulfamethoxazole	MUSCLE	12	0	0.00%	100.00%
	Chloramphenicol, Florfenicol and Thiamphenicol	MUSCLE	8	0	0.00%	100.00%
	Abamectin, Doramectin, Eprinomectin, Ivermectin and Moxidectin	LIVER	25	0	0.00%	100.00%
	Ketotriclabendazole, Closantel, Albendazole, Albendazole 2-amino sulphone, Albendazole sulphone, Albendazole sulphoxide, Dimetridazole, Dimetridazole - Hydroxy, Oxfendazole sulphone equivalent, Febantel, Fenbendazole, Flubendazole, Iprnidazole, Iprnidazole - Hydroxy, Levamisole, Mebendazole, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazole, Oxfendazole, Ronidazole, Sum of thiabendazole and 5-hydroxythiabendazole, Thiabendazole, 5-hydroxythiabendazole, Triclabendazole and Thiabendazole sulphone	MUSCLE	8	0	0.00%	100.00%
	Cimaterol, Clenbuterol, Ractopamine, Salbutamol and Zilpaterol	LIVER	8	0	0.00%	100.00%
	Aldrin, HCH, alpha-, Chlordane, cis, Dieldrin, Dodecachlor, HCH, gamma, HCB, Heptachlor, Heptachlor, OP-DDD, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PP-DDD, PP-DDE, PP-DDT and Chlordane, trans	FAT	8	0	0.00%	100.00%
	Arsenic (total), Cadmium and Lead	MUSCLE*	25	0	0.00%	100.00%
	Aflatoxin B1, Aflatoxin B2 - AFG2, Aflatoxin G1 - AFG1, Aflatoxin G2 - AFG2, Citreoviridin - CIT, Deoxynivalenol - DON, Fumonisin B1 - FB1, Fumonisin B2 - FB2, Ochratoxin A and Zearalenone	LIVER	6	0	0.00%	100.00%
	(1)	MUSCLE	9	0	0.00%	100.00%
	Acebutolol, Acepromazine, Atenolol, Azaperol, Azaperone, Betaxolol, Bisoprolol, Carazolol, Carvedilol, Chlorpromazine, Labetalol, Metoprolol, Nadolol, Nebivolol, Penbutolol, Pindolol, Propranolol, Sotalol, Xylazine and Sum of azaperone and azaperol	KIDNEY	17	0	0.00%	100.00%
	2-Thiouracil, 6-propyl-2-thiouracil, 5-methyl-2-thiouracil and Tapazole	URINE	8	0	0.00%	100.00%
	Alpha-Zearalenol, Beta-Trenbolone, Stanozolol, Talaranol (B-Zearalenol), Zearalenone, Beta-Hydroxystanozolol, Alfa-Trenbolone, Beta-Boldenone, Diethylstilbestrol, Dienestrol, Ethisterone, Hexestrol, Methenolone, Methylboldenone, Norethandrolone, Zeranone and Beta-Zearalenol	URINE	8	0	0.00%	100.00%
	TOTAL - EQUINE		187	0	0.00%	100.00%
HONEY	Chloramphenicol, Chlortetracycline, Doxycycline, Erythromycin, Oxytetracycline, Sulfadimethoxin, Sulfamethazine, Sulfathiazol, Tetracycline and Tylosin	HONEY	66	0	0.00%	100.00%
	Furaltadone/AMOZ, Furazolidone/AOZ, Nitrofurantoin/AHD and Nitrofurazone/SEM	HONEY	60	0	0.00%	100.00%
	Aldrin, HCH, alpha-, Chlordane, cis, Dieldrin, Dodecachlor, HCH, gamma, HCB, Heptachlor, Heptachlor, OP-DDT, PP-DDD, PP-DDE, PP-DDT, Sum Aldrin, Dieldrin, Sum Chlordane, cis- trans-, Sum DDTs, Sum Heptachlor, Heptachlorepoxyd and Chlordane, trans	HONEY	23	0	0.00%	100.00%

	Arsenic (total), Cadmium and Lead	HONEY	62	0	0.00%	100.00%
	(1)	HONEY	29	0	0.00%	100.00%
	(2)	HONEY	24	0	0.00%	100.00%
	TOTAL - HONEY		264	0	0.00%	100.00%
FARMED FISH	Nalidixic acid, Oxolin acid, Ciprofloxacin, Chloramphenicol, Chlorotetracycline, Danofloxacin, Difloxacin, Doxycycline, Enrofloxacin, Florfenicol, Flumequin, Norfloxacin, Oxytetracycline, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline and Thiamphenicol	MUSCLE	117	0	0.00%	100.00%
	Furaltadone/AMOX, Furazolidone/AOX, Nitrofurantoin/AHD and Nitrofurazone/SEM	MUSCLE	63	0	0.00%	100.00%
	Albendazol, Albendazole 2-amino sulphone, Albendazole sulphone, Albendazole sulfoxide, Amino flubendazole, Closantel, Dimetridazole, Dimetridazole - Hydroxy, Febantel, Fenbendazol, Flubendazol, Iprnidazole, Iprnidazole - Hydroxy, Levamisol, Mebendazol, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazol, Oxfendazole, Ronidazol, Thiabendazole, 5-hydroxythiabendazole, Triclabendazol and Thiabendazole sulphone	MUSCLE	16	0	0.00%	100.00%
	Aldrin, HCH, alpha-, Chlordan, cis, Dieldrin, Dodecachlor, HCH, gamma , HCB, Heptachlor, Heptachlor, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PCB 28, PCB 52, PP-DDD, PP-DDE, PP-DDT, Sum Andrin, Dieldrin , Sum Chlordan, cis- trans-, Sum DDTs, Sum Heptachlor, Heptachlorepoxyd, Sum PCBs and Chlordan, trans	MUSCLE	18	0	0.00%	100.00%
	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	109	0	0.00%	100.00%
	Cristallviolet, Leuco-, Malachitegreen, Leuco-, Cristallviolet and Malachite green	MUSCLE	109	2	1.83%	98.17%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-WHO/G) and PCDD/F-TEQ-OMS (PG TEQ-WHO/G)	MUSCLE	27	0	0.00%	100.00%
	(1)	MUSCLE	33	1	3.03%	96.97%
	Alpha-Zearalenol , Beta-Zearalenol, Taleranol (B-Zearalanol), 17-alpha-methyltestosterone, 17-beta-Estradiol, Diethylstilbestrol, Dienestrol, Hexestrol, Zearalanon and Zeranol	MUSCLE	45	0	0.00%	100.00%
	TOTAL - FARMED FISH		537	3	0.56%	99.44%
EGGS	Furaltadone/AMOX, Furazolidone/AOX, Nitrofurantoin/AHD and Nitrofurazone/SEM	EGGS	64	0	0.00%	100.00%
	Aldrin, HCH, alpha-, Chlordan, cis, Dieldrin, Dodecachlor, HCH, gamma , HCB, Heptachlor, Heptachlor, OP-DDT, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PCB 28, PCB 52, PP-DDD, PP-DDE, PP-DDT, Sum Andrin, Dieldrin , Sum Chlordan, cis- trans-, Sum DDTs, Sum Heptachlor, Heptachlorepoxyd, Sum PCBs and Chlordan, trans	EGGS	40	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-WHO/G) and PCDD/F-TEQ-OMS (PG TEQ-WHO/G)	EGGS	119	0	0.00%	100.00%

	Nalidixinacid, Oxolin acid, Amprolium, Ciprofloxacin, Clopidol, Chloramphenicol, Danofloxacin, Decoquinat, Diaveridin, Diclazuril, Difloxacin, Enrofloxacin, Ethopabate , Florfenicol, Flumequin, Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazin, Norfloxacin, Robenidin, Salinomycin, Sarafloxacin, Senduramycin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Thiamphenicol, Toltrazuril, Trimethoprim and Dichloroisovernic acid	EGGS	308	3	0.97%	99.03%
	(1)	EGGS	47	1	2.13%	97.87%
	TOTAL - EGGS		578	4	0.69%	99.31%
MILK	5-Hydroxyflunixin, Carprofen , Ketoprofen, Diclofen, Phenylbutazone, Flunixin meglumine, Indomethacin, Meloxicam, Naproxen, Nimesulide, Piroxicam, Propyphenazon, Mefenaminacid and Tolfenaminsacid	MILK	53	1	1.89%	98.11%
	Nalidixinacid, Oxolin acid, Amoxycillin, Ampicillin, Azithromycin, Bromhexine, Cefalexin, Cefalonium, Cefapirin, Cefoperazon, Cefquinom, Ceftiofur, Ciprofloxacin, Clindamycin, Chloramphenicol, Chlortetracycline, Cloxacillin, Danofloxacin, Dicloxacillin, Difloxacin, Doxycycline, Enrofloxacin, Erythromycin, Spiramycin, Florfenicol, Flumequin, Lincomycin, Nafcillin, Norfloxacin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Thiamphenicol, Tilmicosin, Tylosin and Trimethoprim	MILK	238	4	1.68%	98.32%
	Arsenic (total), Cadmium and Lead	MILK	167	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-WHO/G) and PCDD/F-TEQ-OMS (PG TEQ-WHO/G)	MILK	38	0	0.00%	100.00%
	Aflatoxin M1	MILK	48	0	0.00%	100.00%
	Aflatoxin B1, Aflatoxin B2 - AFG2, Aflatoxin G1 - AFG1, Aflatoxin G2 - AFG2, Aflatoxin M1, Deoxynivalenol - DON and Zearalanon	MILK	26	0	0.00%	100.00%
	Abamectin, Nalidixinacid, Oxolin acid, Albendazol, Amoxycillin, Ampicillin, Azithromycin, Bromhexine, Cefalexin, Cefalonium, Cefapirin, Cefoperazon, Cefquinom, Ceftiofur, Ciprofloxacin, Clindamycin, Chloramphenicol, Chlortetracycline, Cloxacillin, Danofloxacin, Dicloxacillin, Difloxacin, Doramectin, Doxycycline, Enrofloxacin, Eprinomectin, Erythromycin, Spiramycin, Florfenicol, Flumequin, Ivermectin, Lincomycin, Monensin, Moxidectin, Nafcillin, Norfloxacin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Thiamphenicol, Tilmicosin, Tylosin and Trimethoprim	MILK	221	5	2.26%	97.74%
	(1)	MILK	91	1	1.10%	98.90%
	(2)	MILK	70	0	0.00%	100.00%
	TOTAL - MILK		952	11	1.16%	98.84%

WILD FISH	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	36	0	0.00%	100.00%
	PCDD/F-PCB-DL-TEQ-OMS (PG TEQ-WHO/G) and PCDD/F-TEQ-OMS (PG TEQ-WHO/G)	MUSCLE	22	0	0.00%	100.00%
	Benzo(a)anthracene, Benzopyren, Benzopyren Equivalents (ANVISA 2019), Benzo(b)fluoranthene, Benzo[ghi]perylene, Benzo(k)fluoranthene , Criseno, Dibenz[a,h]anthracene, Indeno[1,2,3-cd]pyrene and Sum 4 PAHs	MUSCLE	81	0	0.00%	100.00%
	TOTAL - WILD FISH		139	0	0.00%	100.00%
SWINE	4-Methylaminoantipyrine , 5-Hydroxyflunixin, Carprofen , Ketoprofen, Diclofen, Phenylbutazone, Flunixin meglumine, Indomethacin, Meloxicam, Naproxen, Nimesulide, Piroxicam, Propyphenazon, Mefenaminacid and Tolfenaminsacid	MUSCLE	151	0	0.00%	100.00%
	Amprolium, Clopidol, Decoquinat, Diaveridin, Diclazuril, Ethopabate , Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazin, Robenidin, Salinomycin, Senduramycin, Toltrazuril, Trimethoprim and Dichloroisovernicin acid	MUSCLE	91	0	0.00%	100.00%
	Betamethasone, Dexamethasone, Prednisolon and Prednison	LIVER	62	0	0.00%	100.00%
	Nalidixinacid, Oxolin acid, Azithromycin, Ciprofloxacin, Clindamycin, Chlortetracycline, Danofloxacin, Difloxacin, Doxycycline, Enrofloxacin, Erythromycin, Spiramycin, Flumequin, Lincomycin, Norfloxacin, Oxytetracycline, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Tilmicosin, Tylosin and Trimethoprim	MUSCLE	147	1	0.68%	99.32%
	Nalidixinacid, Oxolin acid, Amikacin, Amoxycillin, Ampicillin, Apramycin, Azithromycin, Bromhexine, Cefalexin, Cefalonium, Cefapirin, Cefoperazon, Cefquinom, Ceftiofur, Ciprofloxacin, Clindamycin, Chlortetracycline, Cloxacillin, Danofloxacin, Dicloxacillin, Difloxacin, Dihydrostreptomycin, Doxycycline, Enrofloxacin, Erythromycin, Spectinomycin, Spiramycin, Streptomycin, Flumequin, Gentamicin, Hygromycin, Kanamycin, Lincomycin, Nafcillin, Neomycin, Norfloxacin, Oxacillin, Oxytetracycline, Penicillin G, Penicillin V, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Tilmicosin, Tylosin, Tobramycin and Trimethoprim	MUSCLE	450	0	0.00%	100.00%
	Furaltadone/AMAZ, Furazolidone/AOZ, Nitrofurantoin/AHD and Nitrofurazone/SEM	MUSCLE	203	0	0.00%	100.00%
	Chloramphenicol, Florfenicol and Thiamphenicol	MUSCLE	150	0	0.00%	100.00%
	Abamectin, Doramectin, Eprinomectin, Ivermectin and Moxidectin	LIVER	25	0	0.00%	100.00%
	Abamectin, Doramectin, Eprinomectin, Fipronil , Fipronil sulphone, Ivermectin, Monensin, Moxidectin, Sisapronil and Sum of fipronil and fipronil sulphone	LIVER	286	0	0.00%	100.00%

[illegible]

[illegible]

(1) Substances monitored in the agrochemical method MULTIENSAIOS 2:

Accephate, Acetamiprid, Alachlor, Aldicarb, Aldicarb-sulfone, Allethrin, Amitraz , Azinphos ethyl, Azinphos methyl, Azoxystrobin, Barban, Benfuracarb, Bentazon, Bifenthrin, Bitertanol , Boscalid, Bromopropylate, Bromuconazole , Bupirimate, Carbaryl, Carbendazim, Carbophenothion, Carbofuran, Carbosulfan, Cyazofamid, Cyfluthrin, Cymoxanil , Cypermethrin, Cyproconazole, chlorbromuron, Chlorfenvinphos, Clorimuron, Chlorpyrifos, Chlorpyrifos-methyl, Kresoxim-methyl, Deltamethrin, Desmedipham, Diazinon, Dichlorvos, Dicrotophos, Difenoconazole, Diflubenzuron, Dimethoate, Dimethoate, Dimoxystrobin, Disulfoton, Disulfoton sulphoxide, Disulfoton, Diuron , Dodemorph, Epoxiconazole, Ethiofencarb Sulphone , Ethiofencarb Sulphoxide , Ethion, Ethiprole, Ethirimol , Etofenprox, Ethoprophos , Etrinfos, Fenpropathrin, Fenamiphos, Fenamiphos Sulphone, Fenamiphos Sulphoxide, Fenarimol, Fenitrothion, Fenobucarb, Fenoxycarb, Fenproximoato, Fenthion, Fenthion, Fenthion Sulphone, Phenthoate, Fenvalerat, Fipronil , Fluaizfop-P-butyl, Flucythrinat, Fludioxonil, Flufenacet , Flufenoxuron, Flusilazole, Flutriafol, Foramsulfuron, Phorate, Phorate Sulphone, Phorate Sulphoxide , Phosalone, Fosfamidon, Fosmet, Fosthiate, Furathiocarb, Hexaconazole, Hexythiazox, Imazalil, Imibenconazole, Imidacloprid, Iprobenfos, Iprodione, Iprovalicarb, Isocarbophos, Isoproturon, Lambda-Cyhalothrin, Linuron, Malaoxon, Malathion, Metazachlor, Mephosfolan, Metalaxyl, Methamidophos, Metconazole, Methidathion, Methiocarb Sulphone, Methiocarb sulphoxide, Methomyl, Methomyl, Metoxuron, Metsulfuron-methyl , Mevinphos, Myclobutanil, Monocrotophos, Monuron, Nitenpyram, Nuairimol, Omethoate, Oxamyl, Oxycarboxin, Oxyfluorfen, Paclobutrazol, Paraoxon ethyl, Paraoxon methyl, Parathion ethyl, Pencycuron, Penconazole, Permethrin, Pyrachlophos, Pyraclostrobin, Pyrazophos, Pyridaben, Pyrifeno, Pirimicarb, Pirimiphos ethyl, Pirimiphos methyl, Pyriproxyfen, Prochloraz , Profenofos, Promecarb, Prometryn, Propamocarb, Propanil, Propargite, Propiconazole, Propoxur, Prosulfuron, Simazin, Tebuconazole, Tebufenpyrad, TEPP, Terbufos, Thiabendazole, Thiacloprid, Thiamethoxam, Thifensulfuron-methyl, Thiobencarb, Thiodicarb, Thiophanate methyl, Tolyfluanid , Triadimefon, Triadimenol, Triasulfuron, Triazophos, Tricyclazole, Trichlorfon, Tridemorph, Trifloxystrobin, Trifloxysulfuron, Triflunuron, Triforin, Triforin and Trinexapac-thyl

(2) Substances monitored in the agrochemical method MULTIENSAIOS 3:

2,4-D, Acetamiprid, Aldicarb, Aldicarb-sulfone, Azinphos ethyl, Azinphos methyl, Azoxystrobin, Barban, Benalaxyl, Benomyl , Bentazon, Bifenthrin, Boscalid, Carbaryl, Carbendazim, Carbofuran, Cyazofamid, Cymoxanil , Cinidon-ethyl , Cyproconazole, Cyprodinil, Cyromazine, Chlorbufam, Chlorfenvinphos, Chloroxuron, Chlorpyrifos, Chlorpyrifos-methyl, Kresoxim-methyl, Deltamethrin, Diallate, Diazinon, Dichlofluanid, Dichlorvos, Difenoconazole, Diflubenzuron, Dimethoate, Dinocap, Disulfoton, Disulfoton sulphoxide, Disulfoton, Spiroxamine, Ethion, Ethofumesate , Ethoprophos , Etrimfos, Fenamidone, Fenamiphos, Fenamiphos Sulphone, Fenamiphos Sulphoxide, Fenarimol, Fenhexamid, Fenpropimorph, Fenthion, Phenthoate, Fipronil , Fluazifop-P-butyl, Fludioxonil, Fluquinconazole , Fluroxypyr, Flutriafol, Foramsulfuron, Phorate, Phorate Sulphoxide , Phosalone, Fosmet, Furathiocarb, Hexaconazole, Hexythiazox, Imazalil, Imidacloprid, Indoxacarb , Iprovalicarb, Isoproturon, Malathion, Metazachlor, Metalaxyl, Methamidophos, Metconazole, Methidathion, Methomyl, Metsulfuron-methyl , Mevinphos, Myclobutanil, Monocrotophos, Monolinuron, Omethoate, Oxamyl, Oxasulfuron, Parathion ethyl, Pencycuron, Penconazole, Pendimethalin, Picolinafen, Pymetrozine, Pyraclostrobin, Pyrazophos, Pyridaben, Pyrimethanil, Pirimicarb, Pirimiphos ethyl, Pirimiphos methyl, Profenofos, Propargite, Propiconazole, Propyzamide, Propoxur, Prosulfuron, Quinalphos, Tebuconazole, Tebufenozide , Thiabendazole, Thiacloprid, Thiamethoxam, Thifensulfuron-methyl, Tolylfluanid , Triadimefon, Triadimenol, Triasulfuron, Trichlorfon, Tridemorph, Trifloxystrobin and Triforine

* Equine. Lead is monitored in the matrix: Kidney.

NON-COMPLIANT RESULTS DETECTED AT THE PNCRC 2021

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	Abamectin	Liver	100 µg/kg	601/1 (0.17%)	484.62 [Liver]
	Ractopamin	Urine - 301 ⁽¹⁾ ; Muscle - 153 ⁽¹⁾	0.09 µg/L (Urine); 0.1 µg/kg (Muscle)	454/2 (0.44%)	1.61; 0.36 [Urine]
	Cadmium	Kidney - 98 ⁽¹⁾ ; Muscle - 101 ⁽¹⁾	1000 µg/kg (Kidney); 50 µg/kg (Muscle)	199/1 (0.50%)	5138.30 [Kidney]
	Doramectin	Liver	100 µg/kg	601/2 (0.33%)	109.68; 139.51 [Liver]
	Fipronil ⁽²⁾	Liver	100 µg/kg	551/4 (0.73%)	247.24; 154.11; 191.20; 154.53 [Fipronil + Fipronil Sulphone] [Liver]
Broilers	Nicarbazin	Muscle	200 µg/kg	593/1 (0.17%)	434.20 [Muscle]
	Trimethoprim	Muscle	50 µg/kg	1189/1 (0.08%)	107.35 [Muscle]
Slaughtered Swine	Ciprofloxacin	Muscle	100 µg/kg	597/1 (0.17%)	214.26 [Muscle]
	Cadmium	Kidney - 168 ⁽¹⁾ ; Muscle - 45 ⁽¹⁾	1000 µg/kg (Kidney); 50 µg/kg (Muscle)	213/2 (0.94%)	1104.44; 1196.05 [Kidney]
	Ractopamin	Liver - 90 ⁽¹⁾ ; Muscle - 149 ⁽¹⁾	40 µg/kg (Liver); 10 µg/kg (Muscle)	239/4 (1.67%)	77.43; 43.77; 43.30; 54.00 [Liver]
Milk	Diclofen	Milk	0.10 µg/L	53/1 (1.89%)	0.17 [Milk]
	Cefalexin	Milk	100 µg/L	459/1 (0.22%)	139.75 [Milk]
	Ivermectin	Milk	10 µg/L	221/2 (0.90%)	16.12; 12.38 [Milk]
	Florfenicol	Milk	10 µg/L	459/3 (0.65%)	14.76; 32.87; 32.96 [Milk]
	Tilmicosin	Milk	50 µg/L	459/2 (0.44%)	160.27; 84.84 [Milk]
	Ethion	Milk	10 µg/L	161/1 (0.62%)	25.17 [Milk]
	Cefoperazon	Milk	50 µg/L	459/1 (0.22%)	116.34 [Milk]
Eggs	Diflubenzuron	Eggs	50 µg/kg	47/1 (2.13%)	137.56 [Eggs]
	Robenidin	Eggs	10 µg/kg	308/1 (0.32%)	14.95 [Eggs]
	Trimethoprim	Eggs	10 µg/kg	308/1 (0.32%)	11.67 [Eggs]
	Enrofloxacin	Eggs	10 µg/kg	308/1 (0.32%)	57.26 [Eggs]
Farmed Shrimp	Oxytetracycline	Muscle	100 µg/kg	49/1 (2.04%)	2188.40 [Muscle]
Farmed Fish	Diflubenzuron	Muscle	10 µg/kg	33/1 (3.03%)	38.08 [Muscle]
	Malachitegreen, Leuco-	Muscle	0.50 µg/kg	109/2 (1.83%)	1.99; 1.95 [Muscle]

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

⁽²⁾ The violation of Fipronil is represented by the sum of the quantifications of Fipronil plus Fipronil Sulphone.