

RESULTS OF THE NATIONAL PLAN FOR CONTROL OF RESIDUES AND CONTAMINANTS - PNCRC 2022

ANIMAL SPECIES/ CATEGORY	MONITORED COMPOUNDS	MATRIX	NUMBER OF TESTED SAMPLES	NUMBER OF NON-COMPLIANT SAMPLES	% OF NON-COMPLIANT SAMPLES	% OF COMPLIANT SAMPLES
BROILERS	Dichloroisovernic acid, Amprolium, Clopidol, Decoquinat, Diaveridin, Diclazuril, Ethopabate , Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazin, Robenidin, Salinomycin, Senduramycin, Toltrazuril, Trimethoprim	MUSCLE	321	0	0.00%	100.00%
	Dichloroisovernic acid, Amprolium, Clopidol, Decoquinat, Diaveridin, Diclazuril, Ethopabate , Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazin, Robenidin, Salinomycin, Senduramycin, Toltrazuril, Toltrazuril sulphone, Trimethoprim	MUSCLE	281	3	1.07%	98.93%
	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	500	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, Tilmicosin, Tylosin, Trimethoprim, Sum of chlortetracycline/oxytetracycline/tetracycline	MUSCLE	501	1	0.20%	99.80%
	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, Tilmicosin, Tylosin, Tobramycin , Trimethoprim	MUSCLE	100	0	0.00%	100.00%
	Furaltadone/AMOX, Furazolidone/AOX, Nitrofurantoin/AHD and Nitrofurazone/SEM	MUSCLE	302	0	0.00%	100.00%
	Chloramphenicol, Florfenicol and Thiamphenicol	MUSCLE	115	0	0.00%	100.00%
	Albendazol, Albendazole sulphone, Albendazole sulphoxide, Albendazole 2-amino sulphone, 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, Triclabendazole	MUSCLE	0	0	0.00%	100.00%
	Cimaterol, Clenbuterol, Ractopamin, Salbutamol, Zilpaterol	LIVER	75	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, Chlordan, trans	FAT	28	0	0.00%	100.00%
	Arsenic (total), Cadmium and Lead	LIVER	51	1	1.96%	98.04%
	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	102	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	303	4	1.32%	98.68%
	Aflatoxin B1, Aflatoxin B2 - AFG2, Aflatoxin G1 - AFG1, Aflatoxin G2 - AFG2, Citreoviridin - CIT, Deoxynivalenol - DON, Fumonisin B1 - FB1, Fumonisin B2 - FB2, Ochratoxin A, Zearalanon	LIVER	20	0	0.00%	100.00%
	Albendazol, Albendazole sulphone, Albendazole sulphoxide, Albendazole 2-amino sulphone, Amino flubendazole, Chloramphenicol, Closantel, Dimetridazole, Oxfendazole sulphone equivalent, Febantel, Fenbendazol, Florfenicol, Flubendazol, Iprnidazole, Iprnidazole - Hydroxy, Levamisol, Mebendazol, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazol, Oxfendazole, Ronidazol, Thiamphenicol, Triclabendazole	MUSCLE	91	0	0.00%	100.00%
	(1)	MUSCLE	31	0	0.00%	100.00%
	Alpha-Zearalenol , Alfa-Trenbolon , Beta-Boldenone, Beta-Zearalenol, Beta-Trenbolon , Diethylstilbestrol, Dienestrol, Stanazolol, Ethisteron, Hexestrol, Methenolon, Taleranol (B-Zearalanol), Zearalanon, Zeranol, Beta-Hydroxystanozolol, 17-alpha-methyltestosterone	LIVER	30	0	0.00%	100.00%
	TOTAL - POULTRY		2851	9	0.32%	99.68%
SLAUGHTERED BOVINE	Mefenamic acid, Tolfenaminsacid, Carprofen , Ketoprofen, Diclofen, Phenylbutazone, Flunixin meglumine, Indomethacin, Meloxicam, Naproxen, Nimesulide, Piroxicam, Propyphenazon, 4-Methylaminoantipyrine	MUSCLE	101	0	0.00%	100.00%
	Amprolium, Lasalocid, Monensin, Narasin, Salinomycin, Toltrazuril	MUSCLE	60	0	0.00%	100.00%
	Amprolium, Lasalocid, Monensin, Narasin, Salinomycin, Toltrazuril, Toltrazuril sulphone	MUSCLE	40	0	0.00%	100.00%
	Betamethasone, Dexamethasone, Prednisolon and Prednison	LIVER	68	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, Tobramycin	KIDNEY	501	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, Trimethoprim, Sum of chlortetracycline/oxytetracycline/tetracycline	MUSCLE	504	0	0.00%	100.00%

Nalidixic acid, Oxolinic acid, Amikacin, Amoxicillin, Ampicillin, Apramycin, Azithromycin, Cefalexin, Cefalonium, Cefapirin, Cefoperazone, 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, Sulfamerazine, Sulfamethazine, Sulfamethoxazole, Sulfaquinoxaline, Sulfathiazole, Tetracycline, Tiludicose, Tylosin, Tobramycin, Trimethoprim	MUSCLE	98	0	0.00%	100.00%
Abamectin, Doramectin, Eprinomectin, Fipronil, Fipronil sulphone, Ivermectin, Monensin, Moxidectin, Sisapronil, Sum of fipronil and fipronil sulphone	LIVER	599	7	1.17%	98.83%
Cimaterol, Clenbuterol, Ractopamin, Salbutamol and Zilpaterol	URINE	299	1	0.33%	99.67%
Cimaterol, Clenbuterol, Ractopamin, Salbutamol and Zilpaterol	MUSCLE	151	0	0.00%	100.00%
Aldrin, HCH, alpha-, Chlordane, 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, Chlordane, trans	FAT	26	0	0.00%	100.00%
Arsenic (total), Cadmium and Lead	KIDNEY	52	0	0.00%	100.00%
Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	105	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	44	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, Zearalanone	LIVER	16	0	0.00%	100.00%
Albendazole, Albendazole sulphone, Albendazole sulfoxide, Albendazole 2-amino sulphone, Amino flubendazole, Ketotriclabendazole, Chloramphenicol, Closantel, Dimetridazole, Ketotriclabendazole equivalent, Oxfendazole sulphone equivalent, Febantel, Fenbendazole, Florfenicol, Flubendazole, Iprnidazole, Iprnidazole - Hydroxy, Levamisole, Mebendazole, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazole, Oxfendazole, Ronidazole, Sum of thiabendazole and 5-hydroxythiabendazole, Thiabendazole, 5-hydroxythiabendazole, Thiamphenicol, Triclabendazole	MUSCLE	119	0	0.00%	100.00%
(1)	MUSCLE	118	0	0.00%	100.00%
Acebutolol, Acepromazine, Atenolol, Azaperone, Azaperone, Betaxolol, Bisoprolol, Carazolol, Carvedilol, Chlorpromazine, Labetalol, Metoprolol, Nadolol, Nebivolol, Penbutolol, Pindolol, Propranolol, Sum of azaperone and azaperone, Sotalol, Xylazine	KIDNEY	61	0	0.00%	100.00%
Tapazole; 2-Thiouracil; 6-propyl-2-thiouracil and 5-methyl-2-thiouracil	URINE	87	0	0.00%	100.00%
Alpha-Zearalanone, Alfa-Trenbolone, Beta-Boldenone, Beta-Zearalanone, Beta-Trenbolone, Diethylstilbestrol, Dienestrol, Stanozolol, Ethisterone, Hexestrol, Methenolone, Methylboldenone, Norethandrolone, Talaranol (B-Zearalanone), Zearalanone, Zeranone, Beta-Hydroxystanozolol	URINE	602	0	0.00%	100.00%
TOTAL - SLAUGHTERED BOVINE		3651	8	0.22%	99.78%

FARMED SHRIMP	Chloramphenicol, Chlortetracycline, Doxycycline, Florfenicol, Oxytetracycline, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Thiamphenicol	MUSCLE	59	0	0.00%	100.00%
	Furaltadone/AMAZ, Furazolidone/AOZ, Nitrofurantoin/AHD, Nitrofurazone/SEM	MUSCLE	64	0	0.00%	100.00%
	Albendazol, Albendazole sulphone, Albendazole sulfoxide, Albendazole 2-amino sulphone, 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, Triclabendazole, Triclabendazole sulphone	MUSCLE	54	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, Chlordan, trans	MUSCLE	16	0	0.00%	100.00%
	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	57	0	0.00%	100.00%
	Cristallviolet; Cristallviolet, Leuco-; Malachitegreen, Leuco- and Malachite green	MUSCLE	53	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, Sum 4 PAHs	MUSCLE	12	0	0.00%	100.00%
	TOTAL - FARMED SHRIMP		315	0	0.00%	100.00%
EQUINE	Tolfenaminsacid, Carprofen , Diclofen, Phenylbutazone, Flunixin meglumine, Meloxicam, Nimesulide, Piroxicam, 4-Methylaminoantipyrine	MUSCLE	7	0	0.00%	100.00%
	Betamethasone, Dexamethasone, Prednisolon and Prednison	LIVER	5	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, Tilimicosin, Tylosin, Tobramycin	KIDNEY	4	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, Tilimicosin, Tylosin	MUSCLE	4	0	0.00%	100.00%
	Abamectin, Doramectin, Eprinomectin, Ivermectin and Moxidectin	LIVER	8	0	0.00%	100.00%
	Cimaterol, Clenbuterol, Ractopamin, Salbutamol and Zilpaterol	LIVER	4	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, Chlordan, trans	FAT	3	0	0.00%	100.00%
	Arsenic (total), Cadmium and Lead	MUSCLE*	13	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, Zearalanon	LIVER	4	0	0.00%	100.00%

	Albendazol, Albendazole sulphone, Albendazole sulphoxide, Albendazole 2-amino sulphone, Ketotriclabendazole, Chloramphenicol, Closantel, Dimetridazole, Ketotriclabendazole equivalent, Oxfendazole sulphone equivalent, Febantel, Fenbendazol, Florfenicol, Flubendazol, Iprnidazole, Iprnidazole - Hydroxy, Levamisol, Mebendazol, Metronidazole, Metronidazole - Hydroxy, Oxfendazole sulphone, Oxibendazol, Oxfendazole, Ronidazol, Sum of thiabendazole and 5-hydroxythiabendazole, Thiabendazole, 5-hydroxythiabendazole, Thiamphenicol, Triclabendazole, Triclabendazole sulphone	MUSCLE	2	0	0.00%	100.00%
	(1)	MUSCLE	4	0	0.00%	100.00%
	Acebutolol , Acepromazin, Atenolol, Azaperol, Azaperon, Betaxolol , Bisoprolol, Carazolol, Carvedilol, Chlorpromazin, Labetalol, Metoprolol, Nadolol, Nebivolol, Penbutolol, Pindolol, Propranolol , Sum of azaperone and azaperol, Sotalol, Xylazine	KIDNEY	6	0	0.00%	100.00%
	Tapazol; 2-Thiouracil; 6-propil-2-thiouracil and 5-methyl-2-thiouracil	URINE	4	0	0.00%	100.00%
	Alpha-Zearalenol , Alfa-Trenbolon , Beta-Boldenone, Beta-Zearalenol, Beta-Trenbolon , Diethylstilbestrol, Dienestrol, Stanozolol, Ethisteron, Hexestrol, Methenolon, Methylboldenon, Norethandrolon, Taleranol (B-Zearalanol), Zearalanon, Zeranol, Beta-Hydroxystanozolol	URINE	5	0	0.00%	100.00%
	TOTAL - EQUINE		73	0	0.00%	100.00%
HONEY	Ciprofloxacin, Chloramphenicol, Chlortetracycline, Dihydrostreptomycin, Doxycycline, Enrofloxacin, Erythromycin, Streptomycin, Oxytetracycline, Sulfadimethoxin, Sulfamethazine, Sulfathiazol, Tetracycline, Tylosin	HONEY	63	0	0.00%	100.00%
	Furaltadone/AMOE, Furazolidone/AOE, Nitrofurantoin/AHD and Nitrofurazone/SEM	HONEY	71	0	0.00%	100.00%
	Aldrin, HCH, alpha-, Chlordan, cis, Dieldrin, Dodecachlor, HCH, gamma , HCB, Heptachlor, Heptachlor, OP-DDT, PP-DDD, PP-DDE, PP-DDT, Sum Andrin, Dieldrin , Sum Chlordan, cis-trans-, Sum DDTs, Sum Heptachlor, Heptachlorepoxyd, Chlordan, trans	HONEY	33	0	0.00%	100.00%
	Arsenic (total), Cadmium and Lead	HONEY	64	0	0.00%	100.00%
	(1)	HONEY	21	0	0.00%	100.00%
	(2)	HONEY	26	0	0.00%	100.00%
	TOTAL - HONEY		278	0	0.00%	100.00%
FARMED FISH	Nalidixinacid, Oxolin acid, Ciprofloxacin, Chloramphenicol, Chlortetracycline, Danofloxacin, Difloxacin, Doxycycline, Enrofloxacin, Florfenicol, Flumequin, Norfloxacin, Oxytetracycline, Sarafloxacin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Sulfisoxazol, Tetracycline, Thiamphenicol	MUSCLE	80	0	0.00%	100.00%
	Furaltadone/AMOE, Furazolidone/AOE, Nitrofurantoin/AHD and Nitrofurazone/SEM	MUSCLE	96	0	0.00%	100.00%
	Albendazol, Albendazole sulphone, Albendazole sulphoxide, Albendazole 2-amino sulphone, 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, Triclabendazole, Triclabendazole sulphone	MUSCLE	57	1	1.75%	98.25%

	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, Chlordan, trans	MUSCLE	25	0	0.00%	100.00%
	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	58	0	0.00%	100.00%
	Cristallviolet; Cristallviolet, Leuco-; Malachitegreen, Leuco- and Malachite green	MUSCLE	121	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	15	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, Sum 4 PAHs	MUSCLE	26	0	0.00%	100.00%
	(1)	MUSCLE	33	0	0.00%	100.00%
	Alpha-Zearalenol , Beta-Zearalenol, Diethylstilbestrol, Dienestrol, Hexestrol, Taleranol (B-Zearalanol), Zearalanon, Zeranol, 17-alpha-methyltestosterone, 17-beta-Estradiol	MUSCLE	46	0	0.00%	100.00%
	TOTAL - FARMED FISH		557	1	0.18%	99.82%
EGGS	Furaltadone/AMAZ, Furazolidone/AOZ, Nitrofurantoin/AHD and Nitrofurazone/SEM	EGGS	72	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, Chlordan, trans	EGGS	33	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	117	0	0.00%	100.00%
	Dichloroisovernic acid, Nalidixinacid, Oxolin acid, Amprolium, Ciprofloxacin, Clopidol, Chloramphenicol, Danofloxacin, Decoquinat, Diaveridin, Diclazuril, Difloxacin, Enrofloxacin, Ethopabate , Florfenicol, Flumequin, Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazine, Norfloxacin, Robenidin, Salinomycin, Sarafloxacin, Senduramycin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Thiamphenicol, Toltrazuril, Trimethoprim	EGGS	185	0	0.00%	100.00%
	Abamectin, Albendazol, Albendazole sulphone, Albendazole sulphoxide, Doramectin, Eprinomectin, Oxfendazole sulphone equivalent, Fenbendazol, Fenbendazol Sulphoxide, Fenbendazol, Fipronil , Fipronil sulphone, Flubendazol, Ivermectin, Levamisol, Mebendazol, Monensin, Moxidectin, Oxibendazol, Praziquantel, Sisapronil, Sum of fipronil and fipronil sulphone, Dichloroisovernic acid, Nalidixinacid, Oxolin acid, Amprolium, Ciprofloxacin, Clopidol, Chloramphenicol, Danofloxacin, Decoquinat, Diaveridin, Diclazuril, Difloxacin, Enrofloxacin, Ethopabate , Florfenicol, Flumequin, Lasalocid, Maduramicin, Narasin, Nicarbazine, Norfloxacin, Robenidin, Salinomycin, Sarafloxacin, Senduramycin, Sulfachlorpyrazin, Sulfadiazine, Sulfadimethoxin, Sulfadoxin, Sulfamerazin, Sulfamethazine, Sulfamethoxazol, Sulfaquinoxaline, Sulfathiazol, Thiamphenicol, Toltrazuril, Trimethoprim	EGGS	121	9	7.44%	92.56%
	(1)	EGGS	56	0	0.00%	100.00%
	TOTAL - EGGS		584	9	1.54%	98.46%

MILK	Mefenamic acid, Tolfenaminsacid, Carprofen , Ketoprofen, Diclofen, Phenylbutazone, Flunixin meglumine, Indomethacin, Meloxicam, Naproxen, Nimesulide, Piroxicam, Propyphenazon, 5-Hydroxyflunixin	MILK	68	0	0.00%	100.00%
	Nalidixinaacid, 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, Trimethoprim	MILK	304	2	0.66%	99.34%
	Arsenic (total), Cadmium and Lead	MILK	176	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	41	0	0.00%	100.00%
	Aflatoxin B1, Aflatoxin B2 - AFG2, Aflatoxin G1 - AFG1, Aflatoxin G2 - AFG2, Aflatoxin M1, Deoxynivalenol - DON, Zearalanon	MILK	64	0	0.00%	100.00%
	Abamectin, Nalidixinaacid, 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, Trimethoprim	MILK	312	7	2.24%	97.76%
	(1)	MILK	77	0	0.00%	100.00%
	(2)	MILK	91	2	2.20%	97.80%
	TOTAL - MILK		1133	11	0.97%	99.03%
WILD FISH	Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	66	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	15	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, Sum 4 PAHs	MUSCLE	40	0	0.00%	100.00%
	TOTAL - WILD FISH		121	0	0.00%	100.00%
SWINE	Mefenamic acid, Tolfenaminsacid, Carprofen , Ketoprofen, Diclofen, Phenylbutazone, Flunixin meglumine, Indomethacin, Meloxicam, Naproxen, Nimesulide, Piroxicam, Propyphenazon, 4-Methylaminoantipyrine , 5-Hydroxyflunixin	MUSCLE	153	0	0.00%	100.00%
	Dichloroisoverninic acid, Amprolium, Clopidol, Decoquinat, Diaveridin, Diclazuril, Ethopabate , Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazin, Robenidin, Salinomycin, Senduramycin, Toltrazuril, Trimethoprim	MUSCLE	50	0	0.00%	100.00%
	Dichloroisoverninic acid, Amprolium, Clopidol, Decoquinat, Diaveridin, Diclazuril, Ethopabate , Lasalocid, Maduramicin, Monensin, Narasin, Nicarbazin, Robenidin, Salinomycin, Senduramycin, Toltrazuril, Toltrazuril sulphone, Trimethoprim	MUSCLE	42	0	0.00%	100.00%

Betamethasone, Dexamethasone, Prednisolon and Prednison	LIVER	61	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, Tilmicosin, Tylosin, Trimethoprim, Sum of chlortetracycline/oxytetracycline/tetracycline	MUSCLE	148	0	0.00%	100.00%
Nalidixic acid, 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, Trimethoprim, Sum of chlortetracycline/oxytetracycline/tetracycline	MUSCLE	448	5	1.12%	98.88%
Furaltadone/AMAZ, Furazolidone/AZO, Nitrofurantoin/AHD and Nitrofurazone/SEM	MUSCLE	203	0	0.00%	100.00%
Chloramphenicol, Florfenicol and Thiamphenicol	MUSCLE	149	0	0.00%	100.00%
Abamectin, Doramectin, Eprinomectin, Fipronil, Fipronil sulphone, Ivermectin, Monensin, Moxidectin, Sisapronil, Sum of fipronil and fipronil sulphone	LIVER	186	0	0.00%	100.00%
Albendazol, Albendazole sulphone, Albendazole sulfoxide, Albendazole 2-amino sulphone, 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, Triclabendazole	MUSCLE	185	0	0.00%	100.00%
Cimaterol, Clenbuterol, Ractopamin, Salbutamol and Zilpaterol	LIVER	90	3	3.33%	96.67%
Cimaterol, Clenbuterol, Ractopamin, Salbutamol and Zilpaterol	MUSCLE	150	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, Chlordan, trans	FAT	27	0	0.00%	100.00%
Arsenic (total), Cadmium and Lead	KIDNEY	32	0	0.00%	100.00%
Arsenic (total), Cadmium, Lead and Mercury	MUSCLE	152	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	130	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, Zearalanon	LIVER	21	0	0.00%	100.00%
(1)	MUSCLE	47	0	0.00%	100.00%

[illegible]

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

Acephate, Acetamiprid, Alachlor, Aldicarb, Aldicarb-sulfone, Allethrin, Amitraz , Azinphos ethyl, Azinphos methyl, Azoxystrobin, Barban, Benfuracarb, Bentazon, Bifenthrin, Bitertanol , Boscalid, Bromopropylate, Bromuconazole , Bupirimate, Carbaryl, Carbazodim, 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, Fenpiroximate, Fenthion, Fenthion Sulphone, Phenthoate, Fenvalerat, Fipronil , Fluzifop-P-butyl, Flucythrinate, Fludioxonil, Flufenacet , Flufenoxuron, Flusilazole, Flutriafol, Foramsulfuron, Phorate, Phorate Sulphone, Phorate Sulphoxide , Phosalone, Fosfamidon, Fosmet, Fosthiazate, 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, Nuaimol, Omethoate, Oxamyl, Oxycarboxin, Oxyfluorfen, Paclobutrazol, Paraaxon ethyl, Paraaxon methyl, Parathion ethyl, Pencycuron, Penconazole, Permethrin, Pyrachlophos, Pyraclostrobin, Pyrazophos, Pyridaben, Pyrifenoxy, Pirimicarb, Pirimiphos ethyl, Pirimiphos methyl, Pyriproxyfen, Prochloraz , Profenofos, Promecarb, Prometryn, Propamocarb, Propanil, Propargite, Propiconazole, Propoxur, Prosulphuron, Simazin, Tebuconazole, Tebufenpyrad, TEPP, Terbufos, Thiabendazole, Thiadiprid, Thiamectoxam, Thifensulfuron-methyl, Thiobencarb, Thiodicarb, Thiophanate methyl, Tolyfluanid , Triadimefon, Triadimenol, Triasulfuron, Triazophos, Tricyclazole, Trichlorfon, Tridemorph, Trifloxystrobin, Trifloxysulfuron, Trifluralin, Triforine 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, Diallylate, Diazinon, Dichlofluanid, Dichlorvos, Difenconazole, Diflubenzuron, Dimethoate, Dinocap, Disulfoton, Disulfoton sulphoxide, Disulfoton, Spiroxamine, Ethion, Ethofumesate , Ethoprophos , Etrimfos, Fenamidone, Fenamiphos, Fenamiphos Sulphone, Fenamiphos Sulphoxide, Fenarimol, Fenhexamid, Fenpropimorph, Fenthion, Phenthoate, Fipronil , Fluzifop-P-butyl, Fludioxonil, Fluquinconazole , Fluroxypyr, Flutriafof, 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, Thiocloprid, Thiamethoxam, Thifensulfuron-methyl, Tolyfluanid , Triadimefon, Triadimenol, Triasulfuron, Trichlorfon, Tridemorph, Trifloxystrobin and Triforine

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

NON-COMPLIANT RESULTS DETECTED AT THE PNCRC 2022

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 or µg/L) and Analyzed Matrix
Slaughtered Bovine	Abamectin	Liver	100 µg/kg	599/1 (0.17%)	126.07 [Liver]
	Ractopamin	Urine - 299 ⁽¹⁾ ; Muscle - 151 ⁽¹⁾	Absence (Urine and Muscle)	450/1 (0.22%)	0.66 [Urine]
	Doramectin	Liver	100 µg/kg	599/1 (0.17%)	243.54 [Liver]
	Ivermectin	Liver	800 µg/kg	599/1 (0.17%)	1144.01 [Liver]
	Fipronil ⁽²⁾	Liver	100 µg/kg	599/4 (0.67%)	149.16; 170.68; 184.11; 673.83 [Fipronil + Fipronil Sulphone] [Liver]
Broilers	Clopidol	Muscle	10 µg/kg	602/2 (0.33%)	24.62; 33.31 [Muscle]
	Maduramicin	Muscle	30 µg/kg	602/1 (0.17%)	76.68 [Muscle]
	Doxycycline	Kidney - 500 ⁽¹⁾ ; Muscle - 601 ⁽¹⁾	600 µg/kg (Kidney); 100 µg/kg (Muscle)	1101/1 (0.09%)	128.09 [Muscle]
	Cadmium ⁽³⁾	Liver - 51 ⁽¹⁾ ; Muscle - 102 ⁽¹⁾	500 µg/kg (Kidney); 50 µg/kg (Muscle)	153/1 (0.65%)	804.87 [Liver]
	Dioxin ⁽⁴⁾	Fat	3 pg/kg	303/4 (1.32%)	3.70; 4.88; 4.16; 21.45 [Fat]
Slaughtered Swine	Enrofloxacin	Muscle	100 µg/kg	596/1 (0.17%)	132.81 [Muscle]
	Doxycycline	Muscle	100 µg/kg	596/1 (0.17%)	170.54 [Muscle]
	Norfloxacin	Muscle	10 µg/kg	596/1 (0.17%)	13.44 [Muscle]
	Sulfamethazine	Muscle	100 µg/kg	596/2 (0.34%)	125.18; 569.87 [Muscle]
	Ractopamin	Liver - 90 ⁽¹⁾ ; Muscle - 150 ⁽¹⁾	40 µg/kg (Liver); 10 µg/kg (Muscle)	240/3 (1.25%)	54.10; 55.70; 68.37 [Liver]
Milk	Florfenicol	Milk	10 µg/L	616/3 (0.49%)	13.20; 17.69; 31.16 [Milk]
	Tetracycline	Milk	100 µg/L	616/1 (0.16%)	151.21 [Milk]
	Abamectin	Milk	10 µg/L	312/2 (0.64%)	14.83; 14.96 [Milk]
	Doramectin	Milk	15 µg/L	312/1 (0.32%)	44.22 [Milk]
	Ivermectin	Milk	10 µg/L	312/2 (0.64%)	15.05; 15.14 [Milk]
	Chlorpyrifos	Milk	20 µg/L	168/2 (1.19%)	80.00; 90.00 [Milk]

Eggs	Albendazole ⁽⁵⁾ ⁽⁶⁾	Eggs	2.5 µg/kg	121/1 (0.83%)	10.02 [Eggs]
	Ivermectin	Eggs	2.5 µg/kg	121/2 (1.65%)	2.85; 4.31 [Eggs]
	Mebendazol	Eggs	10 µg/kg	121/1 (0.83%)	71.26 [Eggs]
	Fipronil ⁽²⁾ ⁽⁶⁾	Eggs	20 µg/kg	121/3 (2.48%)	22.74; 24.07; 103.78 [Fipronil + Fipronil Sulphone] [Eggs]
	Ciprofloxacin	Eggs	10 µg/kg	306/1 (0.33%)	34.04 [Eggs]
	Enrofloxacin ⁽⁶⁾	Eggs	10 µg/kg	306/2 (0.65%)	18.23; 47.82 [Eggs]
	Florfenicol	Eggs	10 µg/kg	306/1 (0.33%)	23.01 [Eggs]
Farmed Fish	Metronidazole	Muscle	Absence	57/1 (1.75%)	5.56 [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 and Fipronil Sulphone.

⁽³⁾ Violation of Cadmium in poultry liver occurred in turkey (*Meleagris gallopavo*).

⁽⁴⁾ The sum of dioxins and PCBs in the form of dioxin has been violated (pg PCDD/F-PCB-TEQ-OMS/g).

⁽⁵⁾ The violation occurred in the metabolite: Albendazole Sulphone.

⁽⁶⁾ In the same sample of eggs, three analytes were violated: Albendazole Sulphone, Enrofloxacin and Fipronil (Fipronil plus Fipronil Sulphone).