



Beef Annual Report 2013 -2014

Table 1 Anthelmintics, Benzimidazoles

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
albendazole	Liver	0.05	0.1	330	0	0	0	0
fenbendazole	Liver	0.05	0.1	330	0	0	0	0
mebendazole	Liver	0.01	0.02	330	0	0	0	0
mebendazole, 5-hydroxy-	Liver	0.01	Not Set	330	0	0	0	0
oxfendazole (fenbendazole sulfoxide)	Liver	0.05	3	330	0	0	0	0
oxibendazole	Liver	0.01	Not Set	330	0	0	0	0
thiabendazole	Liver	0.05	0.2	330	0	0	0	0
triclabendazole	Liver	0.05	2	330	1	1	0	0

Table 2 Anthelmintics, Macrocytic Lactones

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
abamectin	Fat	0.005	0.1	330	0	0	0	0
doramectin	Fat	0.005	0.1	330	5	5	0	0
emamectin	Fat	0.002	0.01	330	0	0	0	0
eprinomectin B1a	Fat	0.005	0.5	330	1	1	0	0
ivermectin H2B1a	Fat	0.005	0.04	330	0	0	0	0
moxidectin	Fat	0.005	1	330	19	19	0	0

Table 3 Anthelmintics, Other

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
monepantel sulphone	Fat	0.005	Not Set	330	0	0	0	0
praziquantel	Fat	0.005	Not Set	330	0	0	0	0

Table 4 Antibiotics, Aminoglycosides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
apramycin	Kidney	0.5	2	970	0	0	0	0
dihydrostreptomycin	Kidney	0.1	0.3	970	0	0	0	0
gentamycin	Kidney	0.1	Not Set	970	0	0	0	0
neomycin	Kidney	0.1	10	970	1	1	0	0
streptomycin	Kidney	0.1	0.3	970	0	0	0	0

Table 5 Antibiotics, Anticoccidials

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
amprolium	Liver	0.01	Not Set	330	0	0	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to $\leq$ MRL	> LOR to $\leq$ $\frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	Above MRL
halofuginone	Liver	0.01	0.03	330	0	0	0	0
lasalocid	Liver	0.01	0.7	330	2	2	0	0
maduramicin	Liver	0.01	Not Set	330	0	0	0	0
monensin	Liver	0.01	0.05	330	2	2	0	0
narasin	Liver	0.01	0.05	330	0	0	0	0
nicarbazin (as 4,4'-dinitrocarbanilide)	Liver	0.01	Not Set	330	0	0	0	0
salinomycin	Liver	0.01	0.5	330	0	0	0	0
semduramycin	Liver	0.01	Not Set	330	0	0	0	0

Table 6 Antibiotics, Antimicrobials

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to $\leq$ MRL	> LOR to $\leq$ $\frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	Above MRL
chloramphenicol	Muscle	0.0003	Not Set	331	0	0	0	0
florfenicol	Muscle	0.01	0.3	331	0	0	0	0
thiamphenicol	Muscle	0.01	Not Set	331	0	0	0	0

Table 7 Antibiotics, Beta Lactams

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to $\leq$ MRL	> LOR to $\leq$ $\frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	Above MRL
amoxicillin	Kidney	0.01	0.01	970	0	0	0	0
ampicillin	Kidney	0.01	Not Set	970	0	0	0	0
benzyl G penicillin	Kidney	0.01	0.06	970	0	0	0	0
cloxacillin	Kidney	0.1	Not Set	970	0	0	0	0

Table 8 Antibiotics, Cephalosporins

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to $\leq$ MRL	> LOR to $\leq$ $\frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	Above MRL
ceftiofur (desfuroylceftiofur)	Kidney	0.2	2	970	0	0	0	0
cefuroxime	Kidney	0.05	0.1	970	0	0	0	0
cephalonium	Kidney	0.05	0.1	970	0	0	0	0

Table 9 Antibiotics, Macrolides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to $\leq$ MRL	> LOR to $\leq$ $\frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	Above MRL
erythromycin	Kidney	0.1	0.3	970	0	0	0	0
lincomycin	Kidney	0.1	0.2	970	0	0	0	0
oleandomycin	Kidney	0.5	0.1	970	0	0	0	0
tilmicosin	Kidney	0.2	1	970	0	0	0	0
tulathromycin	Kidney	0.3	1	970	3	3	0	0
tylosin	Kidney	0.1	0.1	970	0	0	0	0

Table 10 Antibiotics, Other

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to $\leq$ MRL	> LOR to $\leq$ $\frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	Above MRL
avilamycin	Kidney	0.1	Not Set	970	0	0	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
trimethoprim	Kidney	0.05	Not Set	377	0	0	0	0
virginiamycin	Kidney	0.2	0.2	970	0	0	0	0

Table 11 Antibiotics, Sulfonamides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
sulfachloropyridazine	Kidney	0.05	Not Set	970	0	0	0	0
sulfadiazine	Kidney	0.05	0.1	970	1	0	1	0
sulfadimethoxine	Kidney	0.05	Not Set	970	0	0	0	0
sulfadimidine (sulfamethazine)	Kidney	0.05	0.1	970	0	0	0	0
sulfadoxine	Kidney	0.05	0.1	970	0	0	0	0
sulfafurazole	Kidney	0.05	Not Set	970	0	0	0	0
sulfamerazine	Kidney	0.05	Not Set	970	0	0	0	0
sulfamethoxazole	Kidney	0.05	Not Set	970	0	0	0	0
sulfamethoxydiazine (sulfameter)	Kidney	0.05	Not Set	970	0	0	0	0
sulfamethoxypyridazine	Kidney	0.05	Not Set	970	0	0	0	0
sulfapyridine	Kidney	0.05	Not Set	970	0	0	0	0
sulfaquinoxaline	Kidney	0.05	Not Set	970	0	0	0	0
sulfathiazole	Kidney	0.05	Not Set	970	0	0	0	0
sulfatroxazole	Kidney	0.05	0.1	970	0	0	0	0

Table 12 Antibiotics, Tetracyclines

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
4-epichlortetracycline	Kidney	0.01	0.6	377	0	0	0	0
4-epioxytetracycline	Kidney	0.01	0.6	377	0	0	0	0
4-epitetracycline	Kidney	0.01	Not Set	377	0	0	0	0
chlortetracycline	Kidney	0.05	0.6	970	0	0	0	0
doxycycline	Kidney	0.05	Not Set	970	0	0	0	0
oxytetracycline	Kidney	0.1	0.6	970	1	1	0	1
tetracycline	Kidney	0.1	Not Set	970	0	0	0	0

Table 13 Contaminant, Organochlorine Insecticide

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
aldrin and dieldrin (HHDN+HEOD)	Fat	0.02	0.2	1116	2	2	0	0
chlordane	Fat	0.02	0.2	1116	0	0	0	0
DDT	Fat	0.05	5	1116	8	8	0	0
endrin	Fat	0.01	Not Set	1116	0	0	0	0
HCH (or BHC)	Fat	0.02	0.3	1116	0	0	0	0
heptachlor	Fat	0.02	0.2	1116	0	0	0	0
lindane (gamma-HCH)	Fat	0.01	2	1116	0	0	0	0
mirex	Fat	0.02	Not Set	1116	0	0	0	0

Table 14 Contaminant, Persistent Organic Pollutant

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
arochlor 1254	Fat	0.03	0.2	1116	0	0	0	0
arochlor 1260	Fat	0.03	0.2	1116	0	0	0	0
HCB (hexachlorobenzene)	Fat	0.02	1	1116	0	0	0	0
pentachlorobenzene	Fat	0.01	Not Set	1116	0	0	0	0

Table 15 Fungicides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
boscalid	Fat	0.01	0.3	1116	0	0	0	0
prothioconazole	Fat	0.01	0.02	1116	0	0	0	0
quintozene	Fat	0.05	Not Set	1116	0	0	0	0
cyproconazole	Fat	0.02	0.03	1116	0	0	0	0
fluquinconazole	Fat	0.01	0.5	1116	1	1	0	0
flutriafol	Fat	0.05	0.05	1116	0	0	0	0
procymidone	Fat	0.1	0.2	1116	0	0	0	0
propiconazole	Fat	0.05	0.1	1116	0	0	0	0

Table 16 Herbicides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
pyrasulfotole	Fat	0.01	0.01	1116	0	0	0	0
ethofumesate	Fat	0.1	0.5	1116	0	0	0	0
metolachlor	Fat	0.05	0.05	1116	0	0	0	0
propachlor	Fat	0.02	0.02	1116	0	0	0	0

Table 17 Hormones, Resorcylic Acid Lactones

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
zeranol (α-zearalanol)	Liver	0.002	0.02	380	0	0	0	0

Table 18 Hormones, Steroids

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
16-hydroxystanozolol	Urine	0.001	Not defined	332	0	0	0	n/a
boldenone 17α	Urine	0.001	Not defined	332	0	0	0	n/a
boldenone 17β	Urine	0.001	Not defined	332	0	0	0	n/a
methandriol	Urine	0.005	Not defined	332	0	0	0	n/a
nortestosterone-17 alpha	Urine	0.001	Not defined	332	1	0	0	n/a
nortestosterone-17 beta	Urine	0.001	Not defined	332	0	0	0	n/a
stanozolol	Urine	0.001	Not defined	332	0	0	0	n/a

Table 19 Hormones, Stilbenes

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
dienoestrol	Liver	0.0002	Not Set	380	0	0	0	0
diethylstilboestrol	Liver	0.0002	Not Set	380	0	0	0	0
hexoestrol	Liver	0.0002	Not Set	380	0	0	0	0

Table 20 Hormones, Trenbolones

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
trenbolone	Liver	0.002	0.01	380	0	0	0	0

Table 21 Insecticides, Benzoyl Urea

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
chlorfluazuron	Fat	0.01	1	331	0	0	0	0
diflubenzuron	Fat	0.01	0.02	331	0	0	0	0
fluazuron	Fat	0.01	7	331	7	7	0	0
triflumuron	Fat	0.01	0.05	331	0	0	0	0

Table 22 Insecticides, Carbamate

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
carbaryl	Fat	0.01	0.2	1116	0	0	0	0

Table 23 Insecticides, Organochlorines

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
dicofol	Fat	0.01	Not Set	1116	0	0	0	0
endosulfan	Fat	0.02	Not Set	1116	0	0	0	0
methoxychlor	Fat	0.02	Not Set	1116	0	0	0	0

Table 24 Insecticides, Organophosphates

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
chlorfenvinphos (sum E and Z isomers)	Fat	0.05	0.2	1116	0	0	0	0
chlorpyrifos	Fat	0.1	0.5	1116	0	0	0	0
chlorpyrifos-methyl	Fat	0.02	0.05	1116	0	0	0	0
coumaphos	Fat	0.2	0.02	1116	0	0	0	0
diazinon	Fat	0.05	0.7	1116	3	3	0	0
dichlorvos	Fat	0.05	0.05	1116	0	0	0	0
dimethoate	Fat	0.05	0.05	1116	0	0	0	0
ethion	Fat	0.1	2.5	1116	0	0	0	0
famphur	Fat	0.02	Not Set	1116	0	0	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
famphur oxygen-analogue	Fat	0.05	Not Set	1116	0	0	0	0
fenitrothion	Fat	0.02	0.05	1116	0	0	0	0
fenthion	Fat	0.05	1	1116	0	0	0	0
malathion (maldison)	Fat	0.1	1	1116	0	0	0	0
methidathion	Fat	0.1	0.5	1116	0	0	0	0
omethoate	Fat	0.05	Not Set	1116	0	0	0	0
parathion-methyl	Fat	0.05	Not Set	1116	0	0	0	0
phosmet	Fat	0.05	1	1116	0	0	0	0
pirimiphos-methyl	Fat	0.05	0.05	1116	0	0	0	0
prothiofos	Fat	0.01	Not Set	1116	0	0	0	0
pyraclofos	Fat	0.01	Not Set	1116	0	0	0	0
temephos	Fat	0.1	5	1116	0	0	0	0

Table 25 Insecticides, Other

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
chlorfenapyr	Fat	0.05	0.05	1116	0	0	0	0
fipronil	Fat	0.01	0.1	1116	1	1	0	0
flubendiamide	Fat	0.01	0.05	1116	0	0	0	0
imidacloprid	Fat	0.01	0.05	1116	0	0	0	0
indoxacarb	Fat	0.1	1	1116	0	0	0	0
spinetoram	Fat	0.005	2	330	0	0	0	0
spinosad	Fat	0.005	2	330	16	16	0	0

Table 26 Insecticides, Pyrethroid

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
bifenthrin	Fat	0.02	2	1116	0	0	0	0
bioresmethrin	Fat	0.02	Not Set	1116	0	0	0	0
cyfluthrin (sum of isomers)	Fat	0.01	0.5	1116	0	0	0	0
cyhalothrin (sum of isomers)	Fat	0.02	0.5	1116	1	1	0	0
cypermethrin (sum of isomers)	Fat	0.01	0.5	1116	7	7	0	0
deltamethrin	Fat	0.02	0.5	1116	6	6	0	0
esfenvalerate	Fat	0.02	1	467	0	0	0	0
fenvalerate (sum of isomers)	Fat	0.02	1	1116	0	0	0	0
flumethrin	Fat	0.02	0.2	1116	0	0	0	0
permethrin (sum of isomers)	Fat	0.02	1	1116	7	7	0	0
tau-fluvalinate	Fat	0.01	Not Set	1116	0	0	0	0

Table 27 Metals

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
arsenic - Total	Liver	0.05	No Limit	331	1	0	0	n/a

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
cadmium	Liver	0.01	1.25	331	280	279	1	1
lead	Liver	0.01	0.5	331	124	124	0	0
mercury	Liver	0.01	No Limit	331	3	0	0	n/a

Table 28 Mycotoxins, Zeranols

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
taleranol (β-zearalanol)	Liver	0.002	No Limit	380	0	0	0	n/a
zearalanone	Liver	0.002	No Limit	380	1	0	0	n/a
zearalenol, alpha-	Liver	0.002	No Limit	380	7	0	0	n/a
zearalenol, beta-	Liver	0.002	No Limit	380	8	0	0	n/a
zearalenone	Liver	0.002	No Limit	380	6	0	0	n/a

Table 29 Other Veterinary Drugs, Beta-Agonist

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
cimaterol	Liver	0.0002	Not Set	331	0	0	0	0
clenbuterol	Liver	0.0002	Not Set	331	0	0	0	0
mabuterol	Liver	0.0002	Not Set	331	0	0	0	0
ractopamine	Liver	0.0002	Not Set	331	0	0	0	0
salbutamol	Liver	0.0002	Not Set	331	0	0	0	0
zilpaterol	Liver	0.0002	Not Set	331	0	0	0	0

Table 30 Other Veterinary Drugs, NSAID

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
flunixin	Kidney	0.01	0.02	330	0	0	0	0
ketoprofen	Kidney	0.01	0.05	330	0	0	0	0
oxyphenbutazone	Kidney	0.01	Not Set	330	0	0	0	0
phenylbutazone	Kidney	0.01	Not Set	330	0	0	0	0
tolfenamic acid	Kidney	0.005	0.01	330	0	0	0	0

LOR = Limit of reporting; Aust. Std = Australian Standard

Not set - No Australian Standard has been set for the chemical in the edible matrix and any detection is a contravention of the Australia New Zealand Food Standards Code.

No Limit - No Australian Standard applicable for the contaminant. The 'as low as reasonably achievable' principle applies.

Detections at low levels are allowable.

Not defined - Standards are not defined in urine and faeces.

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