



Horse Annual Report 2013-2014

Table 1 Anthelmintics, Macrocyclic Lactones

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to \leq MRL	> LOR to \leq ½ MRL	> ½ MRL to \leq MRL	Above MRL
abamectin	Fat	0.005	Not Set	10	0	0	0	0
doramectin	Fat	0.005	Not Set	10	0	0	0	0
emamectin	Fat	0.002	0.01	10	0	0	0	0
eprinomectin B1a	Fat	0.005	Not Set	10	0	0	0	0
ivermectin H2B1a	Fat	0.005	0.01	10	0	0	0	0
moxidectin	Fat	0.005	Not Set	10	0	0	0	0

Table 2 Anthelmintics, Other

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to \leq MRL	> LOR to \leq ½ MRL	> ½ MRL to \leq MRL	Above MRL
monepantel sulphone	Fat	0.005	Not Set	10	0	0	0	0
praziquantel	Fat	0.005	Not Set	10	0	0	0	0

Table 3 Antibiotics, Aminoglycosides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to \leq MRL	> LOR to \leq ½ MRL	> ½ MRL to \leq MRL	Above MRL
apramycin	Kidney	0.4	2	40	0	0	0	0
dihydrostreptomycin	Kidney	0.1	0.3	40	0	0	0	0
gentamycin	Kidney	0.1	Not Set	40	0	0	0	0
neomycin	Kidney	0.1	Not Set	40	0	0	0	0
streptomycin	Kidney	0.1	0.3	40	0	0	0	0

Table 4 Antibiotics, Antimicrobials

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to \leq MRL	> LOR to \leq ½ MRL	> ½ MRL to \leq MRL	Above MRL
chloramphenicol	Muscle	0.00027	Not Set	10	0	0	0	0
florfenicol	Muscle	0.003	Not Set	10	0	0	0	0
thiamphenicol	Muscle	0.0029	Not Set	10	0	0	0	0

Table 5 Antibiotics, Beta Lactams

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to \leq MRL	> LOR to \leq ½ MRL	> ½ MRL to \leq MRL	Above MRL
amoxicillin	Kidney	0.01	0.01	40	0	0	0	0
ampicillin	Kidney	0.01	0.01	40	0	0	0	0
benzyl G penicillin	Kidney	0.01	0.06	40	1	0	1	0
cloxacillin	Kidney	0.1	Not Set	40	0	0	0	0

Table 6 Antibiotics, Cephalosporins

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
ceftiofur (desfuroylceftiofur)	Kidney	0.2	Not Set	40	0	0	0	0
cefuroxime	Kidney	0.05	Not Set	40	0	0	0	0
cephalonium	Kidney	0.05	Not Set	40	0	0	0	0

Table 7 Antibiotics, Macrolides

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
erythromycin	Kidney	0.05	0.3	40	0	0	0	0
lincomycin	Kidney	0.05	0.2	40	0	0	0	0
oleandomycin	Kidney	0.5	0.1	40	0	0	0	0
tilmicosin	Kidney	0.2	Not Set	40	0	0	0	0
tulathromycin	Kidney	0.3	Not Set	40	0	0	0	0
tylosin	Kidney	0.1	Not Set	40	0	0	0	0

Table 8 Antibiotics, Nitroimidazoles

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
dimetridazole	Muscle	0.0001	Not Set	10	0	0	0	0
HMMNI (as metabolite of ronidazole)	Muscle	0.0001	Not Set	10	0	0	0	0
metronidazole	Muscle	0.0001	Not Set	10	0	0	0	0
ronidazole (parent only)	Muscle	0.0001	Not Set	10	0	0	0	0

Table 9 Antibiotics, 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
avilamycin	Kidney	0.1	Not Set	40	0	0	0	0
virginiamycin	Kidney	0.1	Not Set	40	0	0	0	0

Table 10 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	40	0	0	0	0
sulfadiazine	Kidney	0.05	0.1	40	0	0	0	0
sulfadimethoxine	Kidney	0.05	Not Set	40	0	0	0	0
sulfadimidine (sulfamethazine)	Kidney	0.05	0.1	40	0	0	0	0
sulfadoxine	Kidney	0.05	0.1	40	0	0	0	0
sulfafurazole	Kidney	0.05	Not Set	40	0	0	0	0
sulfamerazine	Kidney	0.05	Not Set	40	0	0	0	0
sulfamethoxazole	Kidney	0.05	Not Set	40	0	0	0	0
sulfamethoxydiazine (sulfameter)	Kidney	0.05	Not Set	40	0	0	0	0
sulfamethoxypyridazine	Kidney	0.05	Not Set	40	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
sulfapyridine	Kidney	0.05	Not Set	40	0	0	0	0
sulfaquinolaxline	Kidney	0.05	Not Set	40	0	0	0	0
sulfathiazole	Kidney	0.05	Not Set	40	0	0	0	0
sulfatroxazole	Kidney	0.05	0.1	40	0	0	0	0

Table 11 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
chlortetracycline	Kidney	0.05	Not Set	40	0	0	0	0
doxycycline	Kidney	0.05	Not Set	40	0	0	0	0
oxytetracycline	Kidney	0.05	Not Set	40	0	0	0	0
tetracycline	Kidney	0.05	Not Set	40	0	0	0	0

Table 12 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	20	0	0	0	0
chlordane	Fat	0.02	0.2	20	0	0	0	0
DDT	Fat	0.05	5	20	0	0	0	0
endrin	Fat	0.01	Not Set	20	0	0	0	0
HCH (or BHC)	Fat	0.02	0.3	20	0	0	0	0
heptachlor	Fat	0.02	0.2	20	0	0	0	0
lindane (gamma-HCH)	Fat	0.01	2	20	0	0	0	0
mirex	Fat	0.02	Not Set	20	0	0	0	0

Table 13 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
aro-chlor 1254	Fat	0.03	0.2	20	0	0	0	0
aro-chlor 1260	Fat	0.03	0.2	20	0	0	0	0
HCB (hexachlorobenzene)	Fat	0.02	1	20	0	0	0	0
pentachlorobenzene	Fat	0.01	Not Set	20	0	0	0	0

Table 14 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	20	0	0	0	0
prothioconazole	Fat	0.01	0.02	20	0	0	0	0
quintozene	Fat	0.05	Not Set	20	0	0	0	0
cyproconazole	Fat	0.02	0.03	20	0	0	0	0
fluquinconazole	Fat	0.01	0.5	20	0	0	0	0
flutriafol	Fat	0.05	0.05	20	0	0	0	0
procymidone	Fat	0.1	0.2	20	0	0	0	0
propiconazole	Fat	0.05	0.1	20	0	0	0	0

Table 15 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	20	0	0	0	0
ethofumesate	Fat	0.1	0.5	20	0	0	0	0
metolachlor	Fat	0.05	0.05	20	0	0	0	0
propachlor	Fat	0.02	0.02	20	0	0	0	0

Table 16 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	0.00091	Not Set	10	0	0	0	0

Table 17 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	10	0	0	0	n/a
boldenone 17α	Urine	0.001	Not defined	10	0	0	0	n/a
boldenone 17β	Urine	0.001	Not defined	10	0	0	0	n/a
methandriol	Urine	0.005	Not defined	10	0	0	0	n/a
nortestosterone-17 alpha	Urine	0.001	Not defined	10	1	0	0	n/a
nortestosterone-17 beta	Urine	0.001	Not defined	10	2	0	0	n/a
stanozolol	Urine	0.001	Not defined	10	0	0	0	n/a

Table 18 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	0.00018	Not Set	10	0	0	0	0
diethylstilboestrol	Liver	0.00018	Not Set	10	0	0	0	0
hexoestrol	Liver	0.00016	Not Set	10	0	0	0	0

Table 19 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	0.0009	Not Set	10	0	0	0	0

Table 20 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	20	0	0	0	0

Table 21 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	20	0	0	0	0
endosulfan	Fat	0.02	Not Set	20	0	0	0	0
methoxychlor	Fat	0.02	Not Set	20	0	0	0	0

Table 22 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	Not Set	20	0	0	0	0
chlorpyrifos	Fat	0.1	0.5	20	0	0	0	0
chlorpyrifos-methyl	Fat	0.02	0.05	20	0	0	0	0
coumaphos	Fat	0.2	Not Set	20	0	0	0	0
diazinon	Fat	0.05	0.7	20	0	0	0	0
dichlorvos	Fat	0.05	0.05	20	0	0	0	0
dimethoate	Fat	0.05	0.05	20	0	0	0	0
ethion	Fat	0.1	Not Set	20	0	0	0	0
famphur	Fat	0.02	Not Set	20	0	0	0	0
famphur oxygen-analogue	Fat	0.05	Not Set	20	0	0	0	0
fenitrothion	Fat	0.02	0.05	20	0	0	0	0
fenthion	Fat	0.05	Not Set	20	0	0	0	0
malathion (maldison)	Fat	0.1	1	20	0	0	0	0
methidathion	Fat	0.1	0.5	20	0	0	0	0
omethoate	Fat	0.05	Not Set	20	0	0	0	0
parathion-methyl	Fat	0.05	Not Set	20	0	0	0	0
phosmet	Fat	0.05	Not Set	20	0	0	0	0
pirimiphos-methyl	Fat	0.05	0.05	20	0	0	0	0
prothiofos	Fat	0.01	Not Set	20	0	0	0	0
pyraclofos	Fat	0.01	Not Set	20	0	0	0	0
temephos	Fat	0.1	Not Set	20	0	0	0	0

Table 23 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	20	0	0	0	0
fipronil	Fat	0.01	0.1	20	0	0	0	1
flubendiamide	Fat	0.01	0.05	20	0	0	0	0
imidacloprid	Fat	0.01	0.05	20	0	0	0	0
indoxacarb	Fat	0.1	1	20	0	0	0	0
spinetoram	Fat	0.005	2	10	0	0	0	0
spinosad	Fat	0.005	2	10	0	0	0	0

Table 24 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	20	0	0	0	0
bioresmethrin	Fat	0.02	Not Set	20	0	0	0	0
cyfluthrin (sum of isomers)	Fat	0.01	0.5	20	0	0	0	0
cyhalothrin (sum of isomers)	Fat	0.02	0.5	20	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
cypermethrin (sum of isomers)	Fat	0.01	0.05	20	0	0	0	0
deltamethrin	Fat	0.02	Not Set	20	0	0	0	0
esfenvalerate	Fat	0.02	1	11	0	0	0	0
fenvalerate (sum of isomers)	Fat	0.02	1	20	0	0	0	0
flumethrin	Fat	0.02	0.1	20	0	0	0	0
permethrin (sum of isomers)	Fat	0.02	1	20	0	0	0	0
tau-fluvalinate	Fat	0.01	Not Set	20	0	0	0	0

Table 25 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	20	0	0	0	n/a
cadmium	Liver	0.01	No Limit	20	20	0	0	n/a
lead	Liver	0.01	No Limit	20	20	0	0	n/a
mercury	Liver	0.01	No Limit	20	2	0	0	n/a

Table 26 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	0.0013	No Limit	10	0	0	0	n/a
zearalanone	Liver	0.0013	No Limit	10	0	0	0	n/a
zearalenol, alpha-	Liver	0.00067	No Limit	10	0	0	0	n/a
zearalenol, beta-	Liver	0.0008	No Limit	10	0	0	0	n/a
zearalenone	Liver	0.0012	No Limit	10	0	0	0	n/a

Table 27 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	0.00024	Not Set	5	0	0	0	0
clenbuterol	Liver	0.00015	Not Set	5	0	0	0	0
mabuterol	Liver	0.00015	Not Set	5	0	0	0	0
ractopamine	Liver	0.00015	Not Set	5	0	0	0	0
salbutamol	Liver	0.0009	Not Set	5	0	0	0	0
zilpaterol	Liver	0.0003	Not Set	5	0	0	0	0

Table 28 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	Not Set	10	0	0	0	0
ketoprofen	Kidney	0.01	Not Set	10	0	0	0	0
oxyphenbutazone	Kidney	0.01	Not Set	10	0	0	0	0
phenylbutazone	Kidney	0.01	Not Set	10	0	0	0	0
tolfenamic acid	Kidney	0.005	Not Set	10	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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