Emu Annual Results 2011-12

Table 1 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTHELMINTICS: MACROCYCLIC LACTONES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
abamectin	Fat	0.005	Not set	1	0	0
doramectin	Fat	0.005	Not set	1	0	0
emamectin	Fat	0.005	Not set	1	0	0
eprinomectin	Fat	0.005	Not set	1	0	0
ivermectin	Fat	0.005	Not set	1	0	0
moxidectin	Fat	0.005	Not set	1	0	0

Table 2 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTHELMINTICS: OTHER

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
monepantel sulphone	Fat	0.005	Not set	1	0	0

Table 3 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: AMINOGLYCOSIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
apramycin	Kidney	0.1	1	2	0	0
dihydrostreptomycin	Kidney	0.1	Not set	2	0	0
gentamicin	Kidney	0.1	Not set	2	0	0
neomycin	Kidney	0.05	10	2	0	0
streptomycin	Kidney	0.1	Not set	2	0	0

Table 4 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: BETA LACTAMS

Chemical	Matrix	LOR (mg/kg)	Aust. Std	No. of samples	Analytical findings (no. of detections)

			(mg/kg)	tested	> LOR ≤ Aust. Std	> Aust. Std
amoxicillin	Kidney	0.01	0.01	2	0	0
ampicillin	Kidney	0.01	Not set	2	0	0
benzyl G penicillin	Kidney	0.01	Not set	2	0	0
cloxacillin	Kidney	0.1	Not set	2	0	0

Table 5 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: CEPHALOSPORINS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
ceftiofur	Kidney	0.2	Not set	2	0	0
cefuroxime	Kidney	0.05	Not set	2	0	0
cephalonium	Kidney	0.05	Not set	2	0	0

Table 6 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: MACROLIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
erythromycin	Kidney	0.05	0.3	2	0	0
lincomycin	Kidney	0.05	0.1	2	0	0
oleandomycin	Kidney	0.5	Not set	2	0	0
tilmicosin	Kidney	0.2	Not set	2	0	0
tulathromycin	Kidney	0.3	Not set	2	0	0
tylosin	Kidney	0.1	0.2	2	0	0

Table 7 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: NITROIMIDAZOLES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
dimetridazole	Muscle	0.0001	Not set	2	0	0
metronidazole	Muscle	0.0001	Not set	2	0	0
ronidazole	Muscle	0.0001	Not set	2	0	0

Table 8 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: SULFONAMIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
sulfachloropyridazine	Kidney	0.05	Not set	2	0	0
sulfadiazine	Kidney	0.05	0.1	2	0	0
sulfadimethoxine	Kidney	0.05	Not set	2	0	0
sulfadimidine	Kidney	0.05	0.1	2	0	0
sulfadoxine	Kidney	0.05	Not set	2	0	0
sulfafurazole	Kidney	0.05	Not set	2	0	0
sulfamerazine	Kidney	0.05	Not set	2	0	0
sulfamethoxazole	Kidney	0.05	Not set	2	0	0
sulfamethoxydiazine	Kidney	0.05	Not set	2	0	0
sulfamethoxypyridazine	Kidney	0.05	Not set	2	0	0
sulfapyridine	Kidney	0.05	Not set	2	0	0
sulfaquinoxaline	Kidney	0.05	0.1	2	0	0
sulfathiazole	Kidney	0.05	Not set	2	0	0
sulfatroxazole	Kidney	0.05	Not set	2	0	0

Table 9 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: TETRACYCLINES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlortetracycline	Kidney	0.05	0.6	2	0	0
doxycycline	Kidney	0.05	Not set	2	0	0
oxytetracycline	Kidney	0.05	0.6	2	0	0
tetracycline	Kidney	0.05	Not set	2	0	0

Table 10 VETERINARY DRUGS AND ANIMAL TREATMENTS. ANTIBIOTICS: OTHER

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
avilamycin	Kidney	0.1	0.05	2	0	0
virginiamycin	Kidney	0.2	0.2	2	0	0

Table 11 VETERINARY DRUGS AND ANIMAL TREATMENTS. OTHER VETERINARY DRUGS: BETA-AGONISTS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
cimaterol	Liver	0.0002	Not set	1	0	0
clenbuterol	Liver	0.0002	Not set	1	0	0
mabuterol	Liver	0.0002	Not set	1	0	0
ractopamine	Liver	0.0002	Not set	1	0	0
salbutamol	Liver	0.0002	Not set	1	0	0
zilpaterol	Liver	0.0003	Not set	1	0	0

Table 12 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. FUNGICIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
boscalid	Fat	0.01	Not set	1	0	0
cyproconazole	Fat	0.03	0.01	1	0	0
fluquinconazole	Fat	0.01	0.02	1	0	0
flutriafol	Fat	0.05	0.05	1	0	0
procymidone	Fat	0.1	0.1	1	0	0
propiconazole	Fat	0.05	0.1	1	0	0
quintozene	Fat	0.05	Not set	1	0	0

Table 13 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. HERBICIDES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
ethofumesate	Fat	0.1	Not set	1	0	0
metolachlor	Fat	0.05	0.01	1	0	0
propachlor	Fat	0.02	0.02	1	0	0

Table 14 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: CARBAMATES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
carbaryl	Fat	0.1	0.5	1	0	0

Table 15 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: ORGANOCHLORINES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
dicofol	Fat	0.01	Not set	1	0	0
endosulfan	Fat	0.02	0.05	1	0	0
methoxychlor	Fat	0.02	Not set	1	0	0

Table 16 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: ORGANOPHOSPHATES

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlorfenvinphos	Fat	0.05	Not set	1	0	0
chlorpyrifos	Fat	0.1	0.1	1	0	0
chlorpyrifos-methyl	Fat	0.02	0.05	1	0	0
coumaphos	Fat	0.2	Not set	1	0	0
diazinon	Fat	0.05	0.05	1	0	0
dichlorvos	Fat	0.05	0.05	1	0	0
dimethoate	Fat	0.05	0.05	1	0	0
ethion	Fat	0.1	Not set	1	0	0
famphur	Fat	0.02	Not set	1	0	0
fenitrothion	Fat	0.02	0.05	1	0	0
fenthion	Fat	0.05	0.05	1	0	0
malathion	Fat	0.2	1	1	0	0
methidathion	Fat	0.1	Not set	1	0	0
omethoate	Fat	0.05	Not set	1	0	0
parathion-methyl	Fat	0.05	Not set	1	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
phosmet	Fat	0.02	Not set	1	0	0
pirimiphos-methyl	Fat	0.05	0.05	1	0	0
prothiofos	Fat	0.01	Not set	1	0	0
pyraclofos	Fat	0.04	Not set	1	0	0
temephos	Fat	0.1	Not set	1	0	0

Table 17 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: PYRETHROIDS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
bifenthrin	Fat	0.02	0.05	1	0	0
bioresmethrin	Fat	0.02	Not set	1	0	0
cyfluthrin	Fat	0.01	0.01	1	0	0
cyhalothrin	Fat	0.02	0.02	1	0	0
cypermethrin	Fat	0.01	0.05	1	0	0
deltamethrin	Fat	0.02	0.01	1	0	0
fenvalerate	Fat	0.02	0.05	1	0	0
flumethrin	Fat	0.02	Not set	1	0	0
permethrin	Fat	0.02	0.1	1	0	0
tau-fluvalinate	Fat	0.01	Not set	1	0	0

Table 18 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. INSECTICIDES: OTHER

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlorfenapyr	Fat	0.05	0.01	1	0	0
fipronil	Fat	0.02	0.02	1	0	0
flubendiamide	Fat	0.01	Not set	1	0	0
imidacloprid	Fat	0.01	0.02	1	0	0
indoxacarb	Fat	0.1	0.01	1	0	0
spinetoram	Fat	0.005	0.01	1	0	0

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
spinosad	Fat	0.005	0.2	1	0	0

Table 19 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. ENVIRONMENTAL CONTAMINANTS: PERSISTENT ORGANIC PULLUTANTS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
aldrin and dieldrin	Fat	0.02	0.2	1	0	0
aroclor 1254 and aroclor 1260	Fat	0.03	0.2	1	0	0
chlordane	Fat	0.02	Not set	1	0	0
DDT	Fat	0.1	5	1	0	0
endrin	Fat	0.01	Not set	1	0	0
HCB	Fat	0.02	1	1	0	0
HCH	Fat	0.02	0.3	1	0	0
heptachlor	Fat	0.02	Not set	1	0	0
lindane	Fat	0.01	0.7	1	0	0
mirex	Fat	0.05	Not set	1	0	0
pentachlorobenzene	Fat	0.01	Not set	1	0	0

Table 20 AGRICULTURAL CHEMICALS AND ANIMAL TREATMENTS. ENVIRONMENTAL CONTAMINANTS: METALS

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	No. of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
cadmium	Liver	0.01	No limit	2	2	n/a
lead	Liver	0.01	0.5	2	2	0
mercury	Liver	0.01	No limit	2	0	n/a

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
n/a - Australian Standard does not apply. No limit set or defined