



Aquaculture Annual Report 2013-2014

Aquaculture Atlantic Salmon

Table 1 VETERINARY DRUGS AND ANIMAL TREATMENTS, Anthelmintics, Macrocytic Lactones

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
abamectin	Flesh	0.005	Not Set	4	0	0
doramectin	Flesh	0.005	Not Set	4	0	0
emamectin	Flesh	0.005	Not Set	4	0	0
eprinomectin	Flesh	0.005	Not Set	4	0	0
ivermectin	Flesh	0.005	Not Set	4	0	0
moxidectin	Flesh	0.005	Not Set	4	0	0

Table 2 VETERINARY DRUGS AND ANIMAL TREATMENTS, Anthelmintics, Other

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
monepantel sulphone	Flesh	0.005	Not Set	4	0	0
praziquantel	Flesh	0.005	Not Set	4	0	0

Table 3 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Aminoglycosides

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
apramycin	Flesh	0.25	Not Set	4	0	0
dihydrostreptomycin	Flesh	0.1	Not Set	4	0	0
gentamycin	Flesh	0.1	Not Set	4	0	0
neomycin	Flesh	0.1	Not Set	4	0	0
streptomycin	Flesh	0.1	Not Set	4	0	0

Table 4 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Beta Lactams

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
amoxicillin	Flesh	0.01	Not Set	4	0	0
ampicillin	Flesh	0.01	Not Set	4	0	0
benzyl G penicillin	Flesh	0.01	Not Set	4	0	0
cloxacillin	Flesh	0.05	Not Set	4	0	0

Table 5 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Cephalosporins

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
ceftiofur	Flesh	0.2	Not Set	4	0	0
cefuroxime	Flesh	0.05	Not Set	4	0	0
cephalonium	Flesh	0.05	Not Set	4	0	0

Table 6 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Macrolides

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
erythromycin	Flesh	0.1	Not Set	4	0	0
lincomycin	Flesh	0.1	Not Set	4	0	0
oleandomycin	Flesh	0.2	Not Set	4	0	0
tilmicosin	Flesh	0.2	Not Set	4	0	0
tulathromycin	Flesh	0.3	Not Set	4	0	0
tylosin	Flesh	0.1	0.002	4	0	0

Table 7 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Nitrofurans

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
AHD	Flesh	0.0004	Not Set	2	0	0
AMOX	Flesh	0.000077	Not Set	2	0	0
AOZ	Flesh	0.000072	Not Set	2	0	0
SEM	Flesh	0.00041	Not Set	2	0	0

Table 8 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Nitroimidazoles

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
dimetridazole	Flesh	0.0001	Not Set	1	0	0
HMMNI	Flesh	0.0001	Not Set	1	0	0
metronidazole	Flesh	0.0001	Not Set	1	0	0
ronidazole	Flesh	0.0001	Not Set	1	0	0

Table 9 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Phenolics

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chloramphenicol	Flesh	0.00027	Not Set	4	0	0
florfenicol	Flesh	0.003	0.5	4	0	0
thiaphenicol	Flesh	0.0029	Not Set	4	0	0

Table 10 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Sulfonamides

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
sulfachloropyridazine	Flesh	0.05	Not Set	4	0	0
sulfadiazine	Flesh	0.05	Not Set	4	0	0
sulfadimethoxine	Flesh	0.05	Not Set	4	0	0
sulfadimidine	Flesh	0.05	Not Set	4	0	0
sulfadoxine	Flesh	0.05	Not Set	4	0	0
sulfafurazole	Flesh	0.05	Not Set	4	0	0
sulfamerazine	Flesh	0.05	Not Set	4	0	0
sulfamethoxazole	Flesh	0.05	Not Set	4	0	0
sulfamethoxydiazine	Flesh	0.05	Not Set	4	0	0
sulfamethoxypyridazine	Flesh	0.05	Not Set	4	0	0
sulfapyridine	Flesh	0.05	Not Set	4	0	0
sulfaquinoxaline	Flesh	0.05	Not Set	4	0	0
sulfathiazole	Flesh	0.05	Not Set	4	0	0
sulfatroxazole	Flesh	0.05	Not Set	4	0	0

Table 11 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Tetracyclines

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
chlortetracycline	Flesh	0.05	Not Set	4	0	0
doxycycline	Flesh	0.05	Not Set	4	0	0
oxytetracycline	Flesh	0.1	0.2	4	0	0
tetracycline	Flesh	0.1	Not Set	4	0	0

Table 12 VETERINARY DRUGS AND ANIMAL TREATMENTS, Antibiotics, Other

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
avilamycin	Flesh	0.1	Not Set	4	0	0
trimethoprim	Flesh	0.05	Not Set	4	0	0
virginiamycin	Flesh	0.2	Not Set	4	0	0

Table 13 VETERINARY DRUGS AND ANIMAL TREATMENTS, Hormones, Steroids

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
boldenone 17 α	Flesh	0.00018	Not Set	1	0	0
boldenone 17 β	Flesh	0.00018	Not Set	1	0	0
nortestosterone-17 alpha	Flesh	0.00036	Not Set	1	0	0
nortestosterone-17 beta	Flesh	0.00036	Not Set	1	0	0

Table 14 VETERINARY DRUGS AND ANIMAL TREATMENTS, Hormones, Stilbenes

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
dienoestrol	Flesh	0.00009	Not Set	1	0	0
diethylstilboestrol	Flesh	0.00009	Not Set	1	0	0
hexoestrol	Flesh	0.00006	Not Set	1	0	0

Table 15 VETERINARY DRUGS AND ANIMAL TREATMENTS, Hormones, Trenbolones

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
trenbolone	Flesh	0.00075	Not Set	1	0	0

Table 16 AGRICULTURE CHEMICALS AND ANIMAL TREATMENTS, Dyes, Triphenylmethane dyes

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
crystal violet	Flesh	0.0011	Not Set	1	0	0
leucocrystal violet	Flesh	0.0013	Not Set	1	0	0
leucomalachite green	Flesh	0.0007	Not Set	1	0	0
malachite green	Flesh	0.0008	Not Set	1	0	0

Table 17 AGRICULTURE CHEMICALS AND ANIMAL TREATMENTS, Insecticides, Other

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
spinetoram	Flesh	0.005	Not Set	4	0	0
spinosad	Flesh	0.005	Not Set	4	0	0

Table 18 AGRICULTURE CHEMICALS AND ANIMAL TREATMENTS, Environmental contaminants, Persistent Organic Pollutants

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
aldrin and dieldrin	Flesh	0.016	0.1	1	0	0
aroachlor 1254	Flesh	0.017	Not Set	1	0	0
aroachlor 1260	Flesh	0.017	Not Set	1	0	0
chlordane	Flesh	0.012	0.05	1	0	0
DDT	Flesh	0.0047	1	1	0	0
endrin	Flesh	0.0092	Not Set	1	0	0
HCB	Flesh	0.0087	0.1	1	0	0
HCH	Flesh	0.0085	Not Set	1	0	0
heptachlor	Flesh	0.015	0.05	1	0	0
lindane	Flesh	0.0044	1	1	0	0
mirex	Flesh	0.034	Not Set	1	0	0
toxaphene	Flesh	0.03	Not Set	1	0	0

Table 19 AGRICULTURE CHEMICALS AND ANIMAL TREATMENTS, Environmental contaminants, Metals

Chemical	Matrix	LOR (mg/kg)	Aust. Std (mg/kg)	Number of samples tested	Analytical findings (no. of detections)	
					> LOR ≤ Aust. Std	> Aust. Std
antimony	Flesh	0.01	No Limit	2	0	N/A
arsenic (total)	Flesh	0.05	No Limit	2	2	N/A
cadmium	Flesh	0.01	No Limit	2	0	N/A
chromium	Flesh	0.05	No Limit	2	0	N/A
lead	Flesh	0.01	0.5	2	0	0
mercury (methyl)	Flesh	0.01	No Limit	2	2	N/A
mercury (total)	Flesh	0.01	0.5	2	2	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.

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

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