



Aquaculture Barramundi residue testing annual datasets 2015–16

National Residue Survey, Department of Agriculture and Water Resources

Dataset abbreviations

LOR Limit of reporting.

MRL Maximum Residue Limit.

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 inedible matrixes (urine and faeces).

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.

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Table 1 Additives

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
crystal violet	Flesh	0.0011	Not Set	1	0	0	0
leucocrystal violet	Flesh	0.0013	Not Set	1	0	0	0
leucomalachite green	Flesh	0.0007	Not Set	1	0	0	0
malachite green	Flesh	0.0008	Not Set	1	0	0	0

Table 2 Anthelmintics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
abamectin	Flesh	0.005	Not Set	2	0	0	0
derquantel	Flesh	0.005	Not Set	2	0	0	0
doramectin	Flesh	0.005	Not Set	2	0	0	0
emamectin	Flesh	0.002	Not Set	2	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
eprinomectin	Flesh	0.005	Not Set	2	0	0	0
ivermectin	Flesh	0.005	Not Set	2	0	0	0
milbemectin	Flesh	0.05	Not Set	2	0	0	0
monepantel sulphone	Flesh	0.005	Not Set	2	0	0	0
moxidectin	Flesh	0.005	Not Set	2	0	0	0
praziquantel	Flesh	0.005	Not Set	2	0	0	0

Table 3 Antibiotics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
AHD	Flesh	0.0004	Not Set	1	0	0	0
amoxicillin	Flesh	0.01	Not Set	3	0	0	0
AMOZ	Flesh	0.000077	Not Set	1	0	0	0
ampicillin	Flesh	0.01	Not Set	3	0	0	0
AOZ	Flesh	0.000072	Not Set	1	0	0	0
apramycin	Flesh	0.25	Not Set	3	0	0	0
avilamycin	Flesh	0.1	Not Set	3	0	0	0
benzyl G penicillin	Flesh	0.01	Not Set	3	0	0	0
ceftiofur	Flesh	0.2	Not Set	3	0	0	0
cefuroxime	Flesh	0.05	Not Set	3	0	0	0
cephalonium	Flesh	0.05	Not Set	3	0	0	0
chloramphenicol	Flesh	0.00027	Not Set	1	0	0	0
cloxacillin	Flesh	0.05	Not Set	3	0	0	0
dihydrostreptomycin	Flesh	0.1	Not Set	3	0	0	0
dimetridazole	Flesh	0.000035	Not Set	1	0	0	0
doxycycline	Flesh	0.01	Not Set	3	0	0	0
erythromycin	Flesh	0.1	Not Set	3	0	0	0
florfenicol	Flesh	0.0043	0.5	1	0	0	0
gentamycin	Flesh	0.1	Not Set	3	0	0	0
HMMNI	Flesh	0.000035	Not Set	1	0	0	0
lincomycin	Flesh	0.1	Not Set	3	0	0	0
metronidazole	Flesh	0.000046	Not Set	1	0	0	0
neomycin	Flesh	0.1	Not Set	3	0	0	0
oleandomycin	Flesh	0.2	Not Set	3	0	0	0
ronidazole	Flesh	0.000055	Not Set	1	0	0	0
SEM	Flesh	0.00041	Not Set	1	0	0	0
streptomycin	Flesh	0.1	Not Set	3	0	0	0
sulfachloropyridazine	Flesh	0.05	Not Set	3	0	0	0
sulfadiazine	Flesh	0.05	Not Set	3	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
sulfadimethoxine	Flesh	0.05	Not Set	3	0	0	0
sulfadimidine	Flesh	0.05	Not Set	3	0	0	0
sulfadoxine	Flesh	0.05	Not Set	3	0	0	0
sulfafurazole	Flesh	0.05	Not Set	3	0	0	0
sulfamerazine	Flesh	0.05	Not Set	3	0	0	0
sulfamethoxazole	Flesh	0.05	Not Set	3	0	0	0
sulfamethoxydiazine	Flesh	0.05	Not Set	3	0	0	0
sulfamethoxypyridazine	Flesh	0.05	Not Set	3	0	0	0
sulfapyridine	Flesh	0.05	Not Set	3	0	0	0
sulfaquinoxaline	Flesh	0.05	Not Set	3	0	0	0
sulfathiazole	Flesh	0.05	Not Set	3	0	0	0
sulfatroxazole	Flesh	0.05	Not Set	3	0	0	0
thiamphenicol	Flesh	0.0029	Not Set	1	0	0	0
tilmicosin	Flesh	0.2	Not Set	3	0	0	0
trimethoprim	Flesh	0.05	Not Set	3	0	0	0
tulathromycin	Flesh	0.3	Not Set	3	0	0	0
tylosin	Flesh	0.1	0.002	3	0	0	0
virginiamycin	Flesh	0.2	Not Set	3	0	0	0

Table 4 Contaminants

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
aldrin and dieldrin	Flesh	0.02	0.1	1	0	0	0
arochlor 1254	Flesh	0.03	Not Set	1	0	0	0
arochlor 1260	Flesh	0.03	Not Set	1	0	0	0
chlordane	Flesh	0.02	0.05	1	0	0	0
DDT	Flesh	0.02	1	1	0	0	0
endrin	Flesh	0.01	Not Set	1	0	0	0
HCB	Flesh	0.02	0.1	1	0	0	0
HCH	Flesh	0.02	0.01	1	0	0	0
heptachlor	Flesh	0.02	0.05	1	0	0	0
lindane	Flesh	0.02	1	1	0	0	0
mirex	Flesh	0.05	Not Set	1	0	0	0
toxaphene	Flesh	0.03	Not Set	1	0	0	0

Table 5 Hormones

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
boldenone 17α	Flesh	0.00036	Not Set	1	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
boldenone 17 β	Flesh	0.00036	Not Set	1	0	0	0
dienoestrol	Flesh	0.00009	Not Set	1	0	0	0
diethylstilboestrol	Flesh	0.00009	Not Set	1	0	0	0
hexoestrol	Flesh	0.00006	Not Set	1	0	0	0
nortestosterone-17 alpha	Flesh	0.00036	Not Set	1	0	0	0
nortestosterone-17 beta	Flesh	0.00036	Not Set	1	0	0	0
trenbolone	Flesh	0.00075	Not Set	1	0	0	0

Table 6 Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
spinetoram	Flesh	0.005	Not Set	2	0	0	0
spinosad	Flesh	0.005	Not Set	2	0	0	0

Table 7 Metals

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	> MRL
antimony	Flesh	0.01	No Limit	2	0	0	0
arsenic (inorganic)	Flesh	0.05	2	1	0	0	0
arsenic (organic)	Flesh	0.05	No Limit	2	2	0	0
cadmium	Flesh	0.01	No Limit	2	0	0	0
chromium	Flesh	0.05	No Limit	2	0	0	0
lead	Flesh	0.01	0.5	2	0	0	0
mercury (total)	Flesh	0.01	1	2	2	0	0