



# Aquaculture yellowtail kingfish residue testing annual datasets 2020–21

National Residue Survey (NRS), Department of Agriculture, Water and the Environment

## 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, retina 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.

## Disclaimer

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**Table 1: Additives**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
brilliant green	flesh	0.00022	not set	2	0	0	0
crystal violet	flesh	0.00014	not set	2	0	0	0
leucocrystal violet	flesh	0.0005	not set	2	0	0	0
leucomalachite green	flesh	0.00044	not set	2	0	0	0
malachite green	flesh	0.00025	not set	2	0	0	0
methylene blue	flesh	0.0011	not set	2	0	0	0
Victoria blue B	flesh	0.00066	not set	2	0	0	0
Victoria blue R	flesh	0.00025	not set	2	0	0	0
Victoria pure blue BO	flesh	0.0011	not set	2	0	0	0

**Table 2: Anthelmintics**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
abamectin	flesh	0.005	not set	2	0	0	0
derquantel	flesh	0.001	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
eprinomectin B1a	flesh	0.005	not set	2	0	0	0
ivermectin H2B1a	flesh	0.005	not set	2	0	0	0
milbemectin	flesh	0.01	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	0.02	2	0	0	0

**Table 3: Antibiotics**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
AHD	flesh	0.0004	not set	2	0	0	0
amoxicillin	flesh	0.01	not set	2	0	0	0
AMOZ	flesh	0.000077	not set	2	0	0	0
ampicillin	flesh	0.01	not set	2	0	0	0
AOZ	flesh	0.000072	not set	2	0	0	0
apramycin	flesh	0.25	not set	2	0	0	0
avilamycin	flesh	0.1	not set	2	0	0	0
benzyl G penicillin	flesh	0.01	not set	2	0	0	0
ceftiofur (desfuroylceftiofur)	flesh	0.2	not set	2	0	0	0
cefuroxime	flesh	0.05	not set	2	0	0	0
cephalonium	flesh	0.05	not set	2	0	0	0
chloramphenicol	flesh	0.00027	not set	2	0	0	0
chlortetracycline	flesh	0.01	not set	2	0	0	0
ciprofloxacin	flesh	0.002	not set	2	0	0	0
cloxacillin	flesh	0.05	not set	2	0	0	0
danofloxacin	flesh	0.002	not set	2	0	0	0
difloxacin	flesh	0.002	not set	2	0	0	0
dihydrostreptomycin	flesh	0.1	not set	2	0	0	0
dimetridazole	flesh	0.0001	not set	1	0	0	0
doxycycline	flesh	0.01	not set	2	0	0	0
enrofloxacin	flesh	0.002	not set	2	0	0	0
erythromycin	flesh	0.1	not set	2	0	0	0

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
florfenicol	flesh	0.003	not set	2	0	0	0
flumequine	flesh	0.002	not set	2	0	0	0
gatifloxacin	flesh	0.002	not set	2	0	0	0
gentamycin	flesh	0.1	not set	2	0	0	0
levofloxacin	flesh	0.002	not set	2	0	0	0
lincomycin	flesh	0.1	not set	2	0	0	0
lomefloxacin	flesh	0.002	not set	2	0	0	0
marbofloxacin	flesh	0.002	not set	2	0	0	0
metronidazole	flesh	0.0001	not set	1	0	0	0
moxifloxacin	flesh	0.002	not set	2	0	0	0
nalidixic acid	flesh	0.002	not set	2	0	0	0
neomycin	flesh	0.1	not set	2	0	0	0
norfloxacin	flesh	0.002	not set	2	0	0	0
oleandomycin	flesh	0.2	not set	2	0	0	0
orbifloxacin	flesh	0.002	not set	2	0	0	0
oxolinic acid	flesh	0.002	not set	2	0	0	0
oxytetracycline	flesh	0.01	0.2	2	0	0	0
ronidazole	flesh	0.0001	not set	1	0	0	0
sarafloxacin	flesh	0.002	not set	2	0	0	0
SEM	flesh	0.00041	not set	3	0	0	0
streptomycin	flesh	0.1	not set	2	0	0	0
sulfachloropyridazine	flesh	0.05	not set	2	0	0	0
sulfadiazine	flesh	0.05	not set	2	0	0	0
sulfadimethoxine	flesh	0.05	not set	2	0	0	0
sulfadimidine (sulfamethazine)	flesh	0.05	not set	2	0	0	0
sulfadoxine	flesh	0.05	not set	2	0	0	0
sulfafurazole	flesh	0.05	not set	2	0	0	0
sulfamerazine	flesh	0.05	not set	2	0	0	0
sulfamethoxazole	flesh	0.05	not set	2	0	0	0
sulfamethoxydiazine (sulfameter)	flesh	0.05	not set	2	0	0	0
sulfamethoxypridazine	flesh	0.05	not set	2	0	0	0
sulfapyridine	flesh	0.05	not set	2	0	0	0
sulfaquinoxaline	flesh	0.05	not set	2	0	0	0
sulfathiazole	flesh	0.05	not set	2	0	0	0
sulfatroxazole	flesh	0.05	not set	2	0	0	0
tetracycline	flesh	0.01	not set	2	0	0	0
thiamphenicol	flesh	0.0029	not set	2	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
tilmicosin	flesh	0.2	not set	2	0	0	0
trimethoprim	flesh	0.05	not set	2	0	0	0
tulathromycin	flesh	0.3	not set	2	0	0	0
tylosin	flesh	0.1	not set	2	0	0	0
virginiamycin	flesh	0.005	not set	2	0	0	0

**Table 4: Contaminants**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	flesh	0.02	0.1	2	0	0	0
arochlor 1254	flesh	0.03	0.5	2	0	0	0
arochlor 1260	flesh	0.03	0.5	2	0	0	0
chlordane	flesh	0.02	0.05	2	0	0	0
DDT	flesh	0.02	1	2	0	0	0
endrin	flesh	0.01	not set	2	0	0	0
HCB (hexachlorobenzene)	flesh	0.02	0.1	2	0	0	0
HCH (BHC)	flesh	0.02	0.01	2	0	0	0
heptachlor	flesh	0.02	0.05	2	0	0	0
lindane (gamma-HCH)	flesh	0.02	1	2	0	0	0
mirex	flesh	0.05	not set	2	0	0	0
toxaphene	flesh	0.03	not set	2	0	0	0

**Table 5: Hormones**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
boldenone 17-alpha	flesh	0.00036	not set	1	0	0	0
boldenone 17-beta	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



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**Table 6: Insecticides**

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number 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)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to $\leq$ MRL	>MRL
antimony	flesh	0.01	no limit	5	1	0	0
arsenic (total)	flesh	0.05	no limit	5	5	0	0
cadmium	flesh	0.01	no limit	5	0	0	0
chromium	flesh	0.05	no limit	5	0	0	0
lead	flesh	0.01	0.5	5	1	0	0
mercury (total)	flesh	0.01	1	5	5	0	0