Australian Government
Department of Agriculture, Water and the Environment

Aquaculture barramundi residue testing annual datasets 2019–20

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

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	1	0	0	0
crystal violet	flesh	0.00014	not set	1	0	0	0
leucocrystal violet	flesh	0.0005	not set	1	0	0	0
leucomalachite green	flesh	0.00044	not set	1	0	0	0
malachite green	flesh	0.00025	not set	1	0	0	0
methylene blue	flesh	0.0011	not set	1	0	0	0
Victoria blue B	flesh	0.00066	not set	1	0	0	0
Victoria blue R	flesh	0.00025	not set	1	0	0	0
Victoria pure blue BO	flesh	0.0011	not set	1	0	0	0

Table 2: Anthelmintics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤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 ≤½MRL	>½MRL to ≤MRL	>MRL
AHD	flesh	0.0004	not set	1	0	0	0
amoxicillin	flesh	0.01	not set	2	0	0	0
AMOZ	flesh	0.000077	not set	1	0	0	0
ampicillin	flesh	0.01	not set	2	0	0	0
AOZ	flesh	0.000072	not set	1	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
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

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤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
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
sarafloxacin	flesh	0.002	not set	2	0	0	0
SEM	flesh	0.00041	not set	1	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
sulfamethoxypyridazine	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
tilmicosin	flesh	0.2	not set	2	0	0	0
trimethoprim	flesh	0.05	not set	2	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤MRL	>MRL
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 ≤½MRL	>½MRL to ≤MRL	>MRL
aldrin and dieldrin (HHDN+HEOD)	flesh	0.02	0.1	1	0	0	0
arochlor 1254	flesh	0.03	0.5	1	0	0	0
arochlor 1260	flesh	0.03	0.5	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 (hexachlorobenzene)	flesh	0.02	0.1	1	0	0	0
HCH (BHC)	flesh	0.02	0.01	1	0	0	0
heptachlor	flesh	0.02	0.05	1	0	0	0
lindane (gamma-HCH)	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)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤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

Table 6: Insecticides

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to ≤½MRL	>½MRL to ≤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 ≤½MRL	>½MRL to ≤MRL	>MRL
antimony	flesh	0.01	no limit	2	0	0	0
arsenic (total)	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	1	0	0
lead	flesh	0.01	0.5	2	0	0	0
mercury (total)	flesh	0.01	1	2	2	0	0