# Aquaculture Murray cod residue testing annual datasets 2018-19

National Residue Survey, Department of Agriculture

## 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 Antibiotics

| 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 | 1 | 0 | 0 | 0 |
| derquantel | flesh | 0.001 | not set | 1 | 0 | 0 | 0 |
| doramectin | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |
| emamectin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| eprinomectin B1a | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |
| ivermectin H2B1a | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |
| milbemectin | flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| monepantel sulphone | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |
| moxidectin | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |
| praziquantel | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |

Table 2 Antibiotics

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| AHD | flesh | 0.0004 | not set | 1 | 0 | 0 | 0 |
| amoxicillin | flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| AMOZ | flesh | 0.000077 | not set | 1 | 0 | 0 | 0 |
| ampicillin | flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| AOZ | flesh | 0.000072 | not set | 1 | 0 | 0 | 0 |
| apramycin | flesh | 0.25 | not set | 1 | 0 | 0 | 0 |
| avilamycin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| benzyl G penicillin | flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ceftiofur (desfuroylceftiofur) | flesh | 0.2 | not set | 1 | 0 | 0 | 0 |
| cefuroxime | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| cephalonium | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| chloramphenicol | flesh | 0.00027 | not set | 1 | 0 | 0 | 0 |
| chlortetracycline | flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| ciprofloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| cloxacillin | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| danofloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| difloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| dihydrostreptomycin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| dimetridazole | flesh | 0.000035 | not set | 1 | 0 | 0 | 0 |
| doxycycline | flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| enrofloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| erythromycin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| florfenicol | flesh | 0.003 | not set | 1 | 0 | 0 | 0 |
| flumequine | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| gatifloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| gentamycin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| levofloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| lincomycin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| lomefloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| marbofloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| metronidazole | flesh | 0.000046 | not set | 1 | 0 | 0 | 0 |
| moxifloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| nalidixic acid | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| neomycin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| norfloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| oleandomycin | flesh | 0.2 | not set | 1 | 0 | 0 | 0 |
| orbifloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| oxolinic acid | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| oxytetracycline | flesh | 0.01 | 0.2 | 1 | 0 | 0 | 0 |
| ronidazole | flesh | 0.000055 | not set | 1 | 0 | 0 | 0 |
| sarafloxacin | flesh | 0.002 | not set | 1 | 0 | 0 | 0 |
| SEM | flesh | 0.00041 | not set | 1 | 0 | 0 | 0 |
| streptomycin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| sulfachloropyridazine | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfadiazine | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfadimethoxine | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfadimidine (sulfamethazine) | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfadoxine | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfafurazole  | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfamerazine | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfamethoxazole | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfamethoxydiazine (sulfameter) | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfamethoxypyridazine | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfapyridine | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfaquinoxaline | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfathiazole | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| sulfatroxazole | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| tetracycline | flesh | 0.01 | not set | 1 | 0 | 0 | 0 |
| thiamphenicol | flesh | 0.0029 | not set | 1 | 0 | 0 | 0 |
| tilmicosin | flesh | 0.2 | not set | 1 | 0 | 0 | 0 |
| trimethoprim | flesh | 0.05 | not set | 1 | 0 | 0 | 0 |
| tulathromycin | flesh | 0.3 | not set | 1 | 0 | 0 | 0 |
| tylosin | flesh | 0.1 | not set | 1 | 0 | 0 | 0 |
| virginiamycin | flesh | 0.2 | not set | 1 | 0 | 0 | 0 |

Table 3 Insecticides

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| spinetoram | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |
| spinosad | flesh | 0.005 | not set | 1 | 0 | 0 | 0 |

Table 4 Metals

| Chemical | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- |
| antimony | flesh | 0.01 | no limit | 1 | 0 | 0 | 0 |
| arsenic (total) | flesh | 0.05 | no limit | 1 | 1 | 0 | 0 |
| cadmium | flesh | 0.01 | no limit | 1 | 0 | 0 | 0 |
| chromium | flesh | 0.05 | no limit | 1 | 0 | 0 | 0 |
| lead | flesh | 0.01 | 0.5 | 1 | 0 | 0 | 0 |
| mercury (total) | flesh | 0.01 | 1 | 1 | 1 | 0 | 0 |