



# Aquaculture yabby 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 |
|--------------------------------|--------|-------------|-------------|-----------------------|------------------|------------------|-------|
| 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     |

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| Chemical                         | Matrix | LOR (mg/kg) | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
|----------------------------------|--------|-------------|-------------|-----------------------|------------------|------------------|-------|
| 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     |
| 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     |
| 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        | 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     |

| 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 |
|------------------------|--------|-------------|-------------|-----------------------|---------------------------------|-----------------------------------|-------|
| 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 2 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    | 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        | no limit    | 1                     | 0                               | 0                                 | 0     |
| mercury (total) | flesh  | 0.01        | 1           | 1                     | 1                               | 0                                 | 0     |