# Buffalo residue testing annual datasets 2017–18

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, 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.

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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 |
| --- | --- | --- | --- | --- | --- | --- | --- |
| amoxicillin | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| ampicillin | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| apramycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| avilamycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| benzyl G penicillin | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| ceftiofur (desfuroylceftiofur) | kidney | 0.1 | not set | 1 | 0 | 0 | 0 |
| cefuroxime | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| cephalonium | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| chlortetracycline | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| cloxacillin | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| dihydrostreptomycin | kidney | 0.1 | not set | 1 | 0 | 0 | 0 |
| doxycycline | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| erythromycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| gentamycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| lincomycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| neomycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| oleandomycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| oxytetracycline | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| streptomycin | kidney | 0.1 | not set | 1 | 0 | 0 | 0 |
| sulfachloropyridazine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfadiazine | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| sulfadimethoxine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfadimidine (sulfamethazine) | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| sulfadoxine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfafurazole | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfamerazine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfamethoxazole | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfamethoxydiazine (sulfameter) | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfamethoxypyridazine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfapyridine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfaquinoxaline | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfathiazole | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfatroxazole | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| tetracycline | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| tilmicosin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| trimethoprim | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| tulathromycin | kidney | 0.1 | not set | 1 | 0 | 0 | 0 |
| tylosin | kidney | 0.1 | not set | 1 | 0 | 0 | 0 |
| virginiamycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |

Table 2 Metals

| Chemical | Matrix | LOR (mg/kg) | | MRL (mg/kg) | No. of samples tested | > LOR to ≤ ½ MRL | > ½ MRL to ≤ MRL | > MRL |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| antimony | liver | 0.01 | no limit | | 4 | 0 | 0 | 0 |
| arsenic (total) | liver | 0.05 | no limit | | 4 | 2 | 0 | 0 |
| cadmium | liver | 0.01 | 1.25 | | 4 | 4 | 0 | 0 |
| lead | liver | 0.01 | 0.5 | | 4 | 4 | 0 | 0 |
| mercury (total) | liver | 0.01 | no limit | | 4 | 0 | 0 | 0 |