# Farmed buffalo 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: Antibiotics**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| amoxicillin | kidney | 0.01 | 0.01 | 1 | 0 | 0 | 0 |
| ampicillin | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| apramycin | kidney | 0.05 | 2 | 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 |
| chloramphenicol | muscle | 0.0001 | 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 | 0.3 | 1 | 0 | 0 | 0 |
| doxycycline | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| erythromycin | kidney | 0.05 | 0.3 | 1 | 0 | 0 | 0 |
| florfenicol | muscle | 0.003 | 0.3 | 1 | 0 | 0 | 0 |
| gentamycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| lincomycin | kidney | 0.05 | 0.2 | 1 | 0 | 0 | 0 |
| neomycin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| oleandomycin | kidney | 0.05 | 0.1 | 1 | 0 | 0 | 0 |
| oxytetracycline | kidney | 0.01 | not set | 1 | 0 | 0 | 0 |
| streptomycin | kidney | 0.1 | 0.3 | 1 | 0 | 0 | 0 |
| sulfachloropyridazine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfadiazine | kidney | 0.01 | 0.1 | 1 | 0 | 0 | 0 |
| sulfadimethoxine | kidney | 0.02 | not set | 1 | 0 | 0 | 0 |
| sulfadimidine (sulfamethazine) | kidney | 0.01 | 0.1 | 1 | 0 | 0 | 0 |
| sulfadoxine | kidney | 0.02 | 0.1 | 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 |
| thiamphenicol | muscle | 0.0029 | not set | 1 | 0 | 0 | 0 |
| tilmicosin | kidney | 0.05 | not set | 1 | 0 | 0 | 0 |
| trimethoprim | kidney | 0.01 | 0.05 | 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 | 0.005 | not set | 1 | 0 | 0 | 0 |

**Table 2: Metals**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| antimony | liver | 0.01 | no limit | 1 | 0 | 0 | 0 |
| arsenic (total) | liver | 0.05 | no limit | 1 | 0 | 0 | 0 |
| cadmium | liver | 0.01 | no limit | 1 | 1 | 0 | 0 |
| lead | liver | 0.01 | no limit | 1 | 1 | 0 | 0 |
| mercury (total) | liver | 0.01 | no limit | 1 | 0 | 0 | 0 |

**Table 3: Other Veterinary Drugs**

| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL(mg/kg)** | **Number of samples tested** | **>LOR to ≤½MRL** | **>½MRL to ≤MRL** | **>MRL** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| cimaterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| clenbuterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| mabuterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| ractopamine | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |
| salbutamol | liver | 0.001 | not set | 1 | 0 | 0 | 0 |
| zilpaterol | liver | 0.0003 | not set | 1 | 0 | 0 | 0 |