

**Buffalo - Farmed residue testing annual datasets 2022-23**

National Residue Survey (NRS), Department of Agriculture, Fisheries and Forestry   
**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)** | **Number of  samples tested** | **>LOR to  ≤½ MRL** | **>½ MRL 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 | 0.06 | 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 | 0.6 | 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 |

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| --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |

\*In some instances, tetracycline may be present as an impurity in a chlortetracycline or oxytetracycline product and is not considered to be a violative residue.

**Table 2: METALS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR  (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL 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  ≤½ MRL** | **>½ MRL 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 |

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