



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.

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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

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Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to \leq MRL	>MRL
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 $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to \leq MRL	>MRL
antimony	liver	0.01	no limit	1	0	0	0

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	Number of samples tested	>LOR to $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to \leq MRL	>MRL
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 $\leq \frac{1}{2}$ MRL	> $\frac{1}{2}$ MRL to \leq 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