



Pig 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, faeces and retina).

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 Anthelmintics

Chemical	Matrix	LOR (mg/kg)	MRL (mg/kg)	No. of samples tested	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	> MRL
abamectin	fat	0.005	0.02	250	0	0	0
derquantel	fat	0.001	not set	250	0	0	0
doramectin	fat	0.005	0.1	250	1	0	0
emamectin	fat	0.005	0.01	250	0	0	0
eprinomectin B1a	fat	0.005	not set	250	0	0	0
ivermectin H2B1a	fat	0.005	0.02	250	0	0	0
milbemectin	fat	0.01	0.002	250	0	0	0
monepantel sulphone	fat	0.005	not set	250	0	0	0
moxidectin	fat	0.005	not set	250	0	0	0
praziquantel	fat	0.005	not set	250	0	0	0

Table 2 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	0.01	250	0	0	0
ampicillin	kidney	0.01	not set	250	0	0	0
apramycin	kidney	0.1	2	250	0	0	0
avilamycin	kidney	0.05	not set	250	0	0	0
benzyl G penicillin	kidney	0.01	0.06	250	0	0	0
carbadox	liver	0.005	not set	250	0	0	0
ceftiofur (desfuroylceftiofur)	kidney	0.1	not set	250	0	0	0
cefuroxime	kidney	0.05	not set	250	0	0	0
cephalonium	kidney	0.05	not set	250	0	0	0
chloramphenicol	muscle	0.0003	not set	250	0	0	0
chlortetracycline	kidney	0.01	0.6	250	47	3	2
cloxacillin	kidney	0.01	not set	250	0	0	0
dihydrostreptomycin	kidney	0.1	0.3	250	0	0	0
dimetridazole	muscle	0.0001	not set	250	0	0	0
doxycycline	kidney	0.01	not set	250	0	0	0
erythromycin	kidney	0.1	0.3	250	0	0	0
florfenicol	muscle	0.001	0.5	250	0	0	0
gentamycin	kidney	0.1	not set	250	0	0	0
lincomycin	kidney	0.1	0.2	250	0	0	0
metronidazole	muscle	0.0001	not set	250	0	0	0
neomycin	kidney	0.1	10	250	0	0	0
olaquinox	liver	0.005	0.3	250	0	0	0
oleandomycin	kidney	0.1	0.1	250	0	0	0
oxytetracycline	kidney	0.01	0.6	250	17	0	0
ronidazole	muscle	0.0001	not set	250	0	0	0
streptomycin	kidney	0.1	0.3	250	0	0	0
sulfachloropyridazine	kidney	0.05	not set	250	0	0	0
sulfadiazine	kidney	0.05	0.1	250	0	0	0
sulfadimethoxine	kidney	0.05	not set	250	0	0	0
sulfadimidine (sulfamethazine)	kidney	0.05	0.1	250	0	1	0
sulfadoxine	kidney	0.05	0.1	250	0	0	0
sulfafurazole	kidney	0.05	not set	250	0	0	0
sulfamerazine	kidney	0.05	not set	250	0	0	0
sulfamethoxazole	kidney	0.05	not set	250	0	0	0
sulfamethoxydiazine (sulfameter)	kidney	0.05	not set	250	0	0	0
sulfamethoxypyridazine	kidney	0.05	not set	250	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
sulfapyridine	kidney	0.05	not set	250	0	0	0
sulfaquinoxaline	kidney	0.05	not set	250	0	0	0
sulfathiazole	kidney	0.05	not set	250	0	0	0
sulfatroxazole	kidney	0.05	0.1	250	0	0	0
tetracycline	kidney	0.01	not set	250	4	0	0
thiamphenicol	muscle	0.001	not set	250	0	0	0
tilmicosin	kidney	0.1	1	250	1	0	0
trimethoprim	kidney	0.01	0.05	250	0	0	0
tulathromycin	kidney	0.1	3	250	0	0	0
tylosin	kidney	0.1	0.2	250	0	0	0
virginiamycin	kidney	0.1	not set	250	0	0	0

Table 3 Anticoccidials

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
amprolium	liver	0.01	not set	250	0	0	0
decoquinat	liver	0.002	not set	60	0	0	0
diclazuril	liver	0.01	not set	60	0	0	0
halofuginone	liver	0.01	not set	250	0	0	0
lasalocid	liver	0.01	0.7	250	0	0	0
maduramicin	liver	0.002	not set	250	0	0	0
monensin	liver	0.01	not set	250	0	0	0
narasin	liver	0.01	not set	250	0	0	0
nicarbazin (4,4'-dinitrocarbanilide)	liver	0.01	not set	250	0	0	0
salinomycin	liver	0.002	0.1	250	1	0	0
semduramycin	liver	0.002	not set	250	3	0	0
toltrazuril	liver	0.01	2	60	1	0	0

Table 4 Contaminants

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
aldrin and dieldrin (HHDN+HEOD)	fat	0.02	0.2	250	0	0	0
arochlor 1254	fat	0.03	not set	250	0	0	0
arochlor 1260	fat	0.03	not set	250	0	0	0
chlordane	fat	0.02	0.2	250	0	0	0
DDT	fat	0.05	5	250	3	0	0
endosulfan	fat	0.02	not set	250	0	0	0
endrin	fat	0.01	not set	250	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
HCB (hexachlorobenzene)	fat	0.02	1	250	0	0	0
HCH (BHC)	fat	0.02	0.3	250	0	0	0
heptachlor	fat	0.02	0.2	250	1	0	0
lindane (gamma-HCH)	fat	0.01	2	250	0	0	0
mirex	fat	0.02	not set	250	0	0	0
pentachlorobenzene	fat	0.02	not set	250	0	0	0

Table 5 Fungicides

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
amisulbrom	fat	0.01	0.01	37	0	0	0
bixafen	fat	0.02	0.2	250	0	0	0
boscalid	fat	0.01	0.3	250	0	0	0
carbendazim	fat	0.01	0.2	250	0	0	0
cyproconazole	fat	0.02	0.03	250	0	0	0
difenoconazole	fat	0.01	0.05	37	0	0	0
fludioxonil	fat	0.01	0.05	37	0	0	0
fluopicolide	fat	0.01	0.01	37	0	0	0
fluopyram-A	fat	0.01	0.02	37	0	0	0
fluquinconazole	fat	0.01	0.5	250	0	0	0
flutriafol	fat	0.02	0.05	250	0	0	0
fluxapyroxad	fat	0.01	0.05	250	0	0	0
imazalil	fat	0.01	not set	37	0	0	0
mandestrobin	fat	0.01	not set	37	0	0	0
procymidone	fat	0.02	0.2	250	0	0	0
propamocarb	fat	0.01	0.01	37	0	0	0
propiconazole	fat	0.02	0.1	250	0	0	0
prothioconazole	fat	0.02	0.02	250	0	0	0
pyrimethanil	fat	0.01	0.05	37	0	0	0
pyriofenone	fat	0.01	0.01	37	0	0	0
quinoxifen	fat	0.01	0.1	37	0	0	0
quintozene	fat	0.02	0.2	250	0	0	0
tebuconazole	fat	0.01	0.1	37	0	0	0
trifloxystrobin	fat	0.01	0.05	37	0	0	0

Table 6 Herbicides

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
cloquintocet	fat	0.01	0.1	37	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
ethofumesate	fat	0.02	0.5	250	0	0	0
indaziflam	fat	0.01	not set	37	0	0	0
metazachlor	fat	0.01	0.05	250	0	0	0
metolachlor	fat	0.02	0.05	250	0	0	0
propachlor	fat	0.02	0.02	250	0	0	0
pyrasulfotole	fat	0.01	0.01	250	0	0	0
pyroxsulam	fat	0.01	0.01	37	0	0	0
saflufenacil-A	fat	0.01	0.01	37	0	0	0

Table 7 Hormones

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
dienoestrol	liver	0.0002	not set	250	0	0	0
diethylstilboestrol	liver	0.0002	not set	250	0	0	0
hexoestrol	liver	0.0002	not set	250	0	0	0
trenbolone	liver	0.0005	not set	250	0	0	0
zeranone (alpha-zearalanol)	liver	0.002	not set	250	0	0	0

Table 8 Insecticides

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
acetamiprid-A	fat	0.01	0.01	37	0	0	0
bifenthrin	fat	0.02	2	250	0	0	0
bioresmethrin	fat	0.02	not set	250	0	0	0
carbaryl	fat	0.01	0.07	250	0	0	0
chlorantraniliprole	fat	0.01	0.02	250	0	0	0
chlorfenapyr	fat	0.02	0.05	250	0	0	0
chlorfenvinphos	fat	0.02	not set	250	0	0	0
chlorfluazuron	fat	0.01	not set	250	0	0	0
chlorpyrifos	fat	0.02	0.5	250	0	0	0
chlorpyrifos-methyl	fat	0.02	0.05	250	0	0	0
clothianidin	fat	0.01	0.02	37	0	0	0
coumaphos	fat	0.02	not set	250	0	0	0
cyantraniliprole	fat	0.01	0.01	37	0	0	0
cyfluthrin	fat	0.02	0.5	250	0	0	0
cyhalothrin	fat	0.02	0.5	250	0	0	0
cypermethrin	fat	0.02	0.05	250	0	0	0
cyromazine	kidney	0.01	0.05	250	0	0	0
deltamethrin	fat	0.02	0.1	250	3	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
diafenthiuron	fat	0.01	0.02	250	0	0	0
diazinon	fat	0.02	0.7	250	0	0	0
dichlorvos	fat	0.02	0.01	250	0	0	0
dicofol	fat	0.01	not set	250	0	0	0
dicyclanil	kidney	0.01	not set	250	0	0	0
diflubenzuron	fat	0.01	not set	250	0	0	0
dimethoate	fat	0.02	0.05	250	0	0	0
dinotefuran	fat	0.03	0.02	250	0	0	0
esfenvalerate	fat	0.02	1	250	0	0	0
ethion	fat	0.02	not set	250	0	0	0
famphur	fat	0.02	not set	250	0	0	0
fenitrothion	fat	0.02	0.05	250	0	0	0
fenthion	fat	0.02	not set	250	0	0	0
fenvalerate	fat	0.02	1	250	0	0	0
fipronil	fat	0.02	0.1	250	0	0	0
flonicamid-A	fat	0.01	0.02	37	0	0	0
fluazuron	fat	0.01	not set	250	0	0	0
flubendiamide	fat	0.01	0.05	250	0	0	0
flumethrin	fat	0.02	not set	250	0	0	0
imidacloprid	fat	0.01	0.05	250	0	0	0
indoxacarb	fat	0.02	1	250	0	0	0
malathion (maldison)	fat	0.01	1	250	0	0	0
melamine	kidney	0.01	no limit	250	0	0	0
metaflumizone	fat	0.01	not set	37	0	0	0
methidathion	fat	0.02	0.5	250	0	0	0
methoxychlor	fat	0.02	not set	250	0	0	0
mevinphos	fat	0.01	0.05	250	0	0	0
novaluron	fat	0.01	not set	250	0	0	0
omethoate	fat	0.02	0.05	250	0	0	0
parathion-methyl	fat	0.02	not set	250	0	0	0
permethrin	fat	0.02	1	250	0	0	0
phosmet	fat	0.02	0.1	250	0	0	0
pirimiphos-methyl	fat	0.02	0.05	250	0	0	0
prothiofos	fat	0.01	not set	250	0	0	0
pyraclofos	fat	0.02	not set	250	0	0	0
spinetoram	fat	0.005	2	250	0	0	0
spinosad	fat	0.005	2	250	51	0	0
spirotetramat	fat	0.02	0.02	250	0	0	0
sulfoxaflor	fat	0.01	0.2	250	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
tau-fluvalinate	fat	0.01	not set	250	0	0	0
temephos	fat	0.02	not set	250	0	0	0
triflumuron	fat	0.01	0.05	250	0	0	0

Table 9 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	liver	0.01	no limit	250	5	0	0
arsenic (total)	liver	0.05	no limit	250	0	0	0
cadmium	liver	0.01	1.25	250	205	0	0
lead	liver	0.01	0.5	250	61	2	1
mercury (total)	liver	0.01	no limit	250	21	0	0

Table 10 Mycotoxins

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
taleralanol (beta-zearalanol)	liver	0.002	no limit	250	0	0	0
zearalanone	liver	0.002	no limit	250	0	0	0
zearalenol alpha	liver	0.002	no limit	250	0	0	0
zearalenol beta	liver	0.002	no limit	250	0	0	0
zearalenone	liver	0.002	no limit	250	0	0	0

Table 11 Other veterinary drugs

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
cimaterol	liver	0.0003	not set	250	0	0	0
clenbuterol	liver	0.0003	not set	250	0	0	0
flunixin	kidney	0.01	not set	250	0	0	0
ketoprofen	kidney	0.01	not set	250	0	0	0
mabuterol	liver	0.0003	not set	250	0	0	0
meloxicam	kidney	0.01	0.01	250	0	0	0
oxyphenbutazone	kidney	0.01	not set	250	0	0	0
phenylbutazone	kidney	0.01	not set	250	0	0	0
ractopamine	liver	0.0003	0.2	250	53	0	0
salbutamol	liver	0.001	not set	250	0	0	0
tolfenamic acid	kidney	0.005	0.01	250	0	0	0
zilpaterol	liver	0.0003	not set	250	0	0	0