Australian Government
Department of Agriculture

Honey Annual Report 2013-2014

Table 1 Antibiotics, Aminoglycosides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
dihydrostreptomycin	Honey	0.1	Not Set	41	0	0	0	0
neomycin	Honey	0.1	Not Set	41	0	0	0	0
streptomycin	Honey	0.1	Not Set	41	0	0	0	0

Table 2 Antibiotics, Antimicrobials

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
chloramphenicol	Honey	0.0003	Not Set	9	0	0	0	0
florfenicol	Honey	0.0045	Not Set	9	0	0	0	0
thiamphenicol	Honey	0.0011	Not Set	9	0	0	0	0

Table 3 Antibiotics, Macrolides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
tylosin	Honey	0.05	Not Set	41	0	0	0	0

Table 4 Antibiotics, Nitrofuran

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
AHD (1-aminohydantoin)	Honey	0.0004	Not Set	9	0	0	0	0
AMOZ	Honey	0.000077	Not Set	9	0	0	0	0
AOZ (3-amino-2-oxazolidinone)	Honey	0.000072	Not Set	9	0	0	0	0
SEM (semicarbazide)	Honey	0.00041	Not Set	9	0	0	0	0

Table 5 Antibiotics, Sulfonamides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
sulfadiazine	Honey	0.05	Not Set	41	0	0	0	0
sulfadimidine (sulfamethazine)	Honey	0.05	Not Set	41	0	0	0	0
sulfamerazine	Honey	0.05	Not Set	41	0	0	0	0
sulfamethoxazole	Honey	0.05	Not Set	41	0	0	0	0
sulfaquinoxaline	Honey	0.05	Not Set	41	0	0	0	0
sulfathiazole	Honey	0.05	Not Set	41	0	0	0	0

Table 6 Antibiotics, Tetracyclines

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
chlortetracycline	Honey	0.05	Not Set	41	0	0	0	0
doxycycline	Honey	0.05	Not Set	41	0	0	0	0

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
oxytetracycline	Honey	0.05	0.3	41	0	0	0	0
tetracycline	Honey	0.05	Not Set	41	0	0	0	0

Table 7 Contaminant, Organochlorine Insecticide

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
aldrin and dieldrin (HHDN+HEOD)	Honey	0.01	Not Set	23	0	0	0	0
chlordane	Honey	0.0062	Not Set	23	0	0	0	0
DDT	Honey	0.0086	Not Set	23	0	0	0	0
endrin	Honey	0.0089	Not Set	23	0	0	0	0
HCH (or BHC)	Honey	0.012	Not Set	23	0	0	0	0
heptachlor	Honey	0.0089	Not Set	23	0	0	0	0
lindane (gamma-HCH)	Honey	0.014	Not Set	23	0	0	0	0
mirex	Honey	0.028	Not Set	23	0	0	0	0

Table 8 Contaminant, Persistent Organic Pollutant

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
arochlor 1254	Honey	0.012	Not Set	23	0	0	0	0
arochlor 1260	Honey	0.014	Not Set	23	0	0	0	0
HCB (hexachlorobenzene)	Honey	0.016	Not Set	23	0	0	0	0

Table 9 Fungicides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
quintozene	Honey	0.017	Not Set	23	0	0	0	0
cyproconazole	Honey	0.005	Not Set	23	0	0	0	0
flutriafol	Honey	0.0082	Not Set	23	0	0	0	0
procymidone	Honey	0.0085	Not Set	23	0	0	0	0
propiconazole	Honey	0.0045	Not Set	23	0	0	0	0

Table 10 Herbicides

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
ethofumesate	Honey	0.033	Not Set	23	0	0	0	0
metolachlor	Honey	0.006	Not Set	23	0	0	0	0
propachlor	Honey	0.0077	Not Set	23	0	0	0	0

Table 11 Insecticides, Carbamate

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
carbaryl	Honey	0.016	Not Set	23	0	0	0	0

Table 12 Insecticides, Organochlorines

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
dicofol	Honey	0.01	Not Set	23	0	0	0	0
endosulfan	Honey	0.02	Not Set	23	0	0	0	0
methoxychlor	Honey	0.014	Not Set	23	0	0	0	0

Table 13 Insecticides, Organophosphates

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
chlorfenvinphos (sum E and Z isomers)	Honey	0.0079	Not Set	23	0	0	0	0
chlorpyrifos	Honey	0.013	Not Set	23	0	0	0	0
chlorpyrifos-methyl	Honey	0.0093	Not Set	23	0	0	0	0
coumaphos	Honey	0.0085	Not Set	23	0	0	0	0
diazinon	Honey	0.0069	Not Set	23	0	0	0	0
dichlorvos	Honey	0.029	Not Set	23	0	0	0	0
dimethoate	Honey	0.01	Not Set	23	0	0	0	0
ethion	Honey	0.012	Not Set	23	0	0	0	0
famphur	Honey	0.017	Not Set	23	0	0	0	0
fenitrothion	Honey	0.0087	Not Set	23	0	0	0	0
fenthion	Honey	0.05	Not Set	23	0	0	0	0
malathion (maldison)	Honey	0.01	Not Set	23	0	0	0	0
methidathion	Honey	0.0091	Not Set	23	0	0	0	0
omethoate	Honey	0.0047	Not Set	23	0	0	0	0
parathion-methyl	Honey	0.0086	Not Set	23	0	0	0	0
phosmet	Honey	0.02	Not Set	23	0	0	0	0
pirimiphos-methyl	Honey	0.0094	Not Set	23	0	0	0	0
prothiofos	Honey	0.0092	Not Set	23	0	0	0	0
temephos	Honey	0.1	Not Set	23	0	0	0	0

Table 14 Insecticides, Other

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
acetamiprid-A	Honey	0.01	Not Set	23	0	0	0	0
chlorfenapyr	Honey	0.022	Not Set	23	0	0	0	0
clothianidin	Honey	0.008	Not Set	23	0	0	0	0
imidacloprid	Honey	0.0072	Not Set	23	0	0	0	0
indoxacarb	Honey	0.016	Not Set	23	0	0	0	0
paradichlorobenzene	Honey	0.001	Not Set	45	0	0	0	0
thiacloprid	Honey	0.0079	Not Set	23	0	0	0	0

Table 15 Insecticides, Pyrethroid

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
bifenthrin	Honey	0.0071	Not Set	23	0	0	0	0
bioresmethrin	Honey	0.015	Not Set	23	0	0	0	0
cyfluthrin (sum of isomers)	Honey	0.01	Not Set	23	0	0	0	0
cyhalothrin (sum of isomers)	Honey	0.011	Not Set	23	0	0	0	0
cypermethrin (sum of isomers)	Honey	0.0096	0.01	23	0	0	0	0
deltamethrin	Honey	0.014	Not Set	23	0	0	0	0
esfenvalerate	Honey	0.017	Not Set	23	0	0	0	0
fenvalerate (sum of isomers)	Honey	0.017	Not Set	23	0	0	0	0
flumethrin	Honey	0.011	0.005	23	0	0	0	0
permethrin (sum of isomers)	Honey	0.01	Not Set	23	0	0	0	0
tau-fluvalinate	Honey	0.0048	0.01	23	0	0	0	0

Table 16 Metals

Chemical	Matrix	LOR (mg/kg)	Australia Std (mg/kg)	Number of Samples Tested	> LOR to ≤ MRL	> LOR to ≤ ½ MRL	> ½ MRL to ≤ MRL	Above MRL
aluminium	Honey	0.5	No Limit	40	27	0	0	n/a
lead	Honey	0.01	No Limit	40	22	0	0	n/a
selenium	Honey	0.05	No Limit	40	0	0	0	n/a
zinc	Honey	0.05	No Limit	40	40	0	0	n/a

LOR = Limit of reporting; Aust. Std = Australian Standard
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.
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 urine and faeces.