

**Sheep 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: ANTHELMINTICS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤ ½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| abamectin | Fat | 0.005 | 0.05 | 305 | 0 | 0 | 0 |
| albendazole | Liver | 0.001 | 3 | 373 | 1 | 0 | 0 |
| clorsulon | Liver | 0.08 | not set | 373 | 0 | 0 | 0 |
| closantel | Liver | 0.05 | 5 | 373 | 12 | 0 | 0 |
| derquantel | Fat | 0.001 | 0.0002 | 305 | 0 | 0 | 0 |
| doramectin | Fat | 0.005 | 0.1 | 305 | 0 | 0 | 0 |
| emamectin | Fat | 0.002 | 0.01 | 305 | 0 | 0 | 0 |
| eprinomectin | Fat | 0.005 | not set | 305 | 0 | 0 | 0 |
| fenbendazole | Liver | 0.001 | 0.5 | 373 | 9 | 0 | 0 |
| fenbendazole sulfone | Liver | 0.001 | 0.5 | 373 | 0 | 0 | 0 |
| flubendazole | Liver | 0.001 | not set | 373 | 0 | 0 | 0 |
| ivermectin | Fat | 0.005 | 0.02 | 305 | 0 | 0 | 0 |
| levamisole | Liver | 0.001 | 1 | 373 | 41 | 0 | 0 |
| mebendazole | Liver | 0.005 | 0.02 | 373 | 0 | 0 | 0 |
| mebendazole, 5-hydroxy- | Liver | 0.005 | not set | 373 | 0 | 0 | 0 |
| milbemectin | Fat | 0.01 | 0.002 | 305 | 0 | 0 | 0 |
| monepantel sulphone | Fat | 0.005 | 7 | 305 | 1 | 0 | 0 |
| morantel | Liver | 0.001 | 2 | 373 | 0 | 0 | 0 |
| moxidectin | Fat | 0.005 | 0.5 | 305 | 48 | 0 | 0 |
| nitroxynil | Liver | 0.012 | 1 | 373 | 0 | 0 | 0 |
| oxfendazole (fenbendazole sulfoxide) | Liver | 0.001 | 3 | 373 | 29 | 0 | 0 |
| oxibendazole | Liver | 0.001 | not set | 373 | 0 | 0 | 0 |
| oxyclozanide | Liver | 0.005 | 2 | 373 | 0 | 0 | 0 |
| parbendazole | Liver | 0.001 | not set | 373 | 0 | 0 | 0 |
| praziquantel | Fat | 0.005 | 0.05 | 305 | 0 | 0 | 0 |
| rafoxanide | Liver | 0.01 | not set | 373 | 0 | 0 | 0 |
| thiabendazole | Liver | 0.004 | 0.2 | 373 | 0 | 0 | 0 |
| triclabendazole | Liver | 0.05 | 2 | 302 | 0 | 0 | 0 |

**Table 2: ANTIBIOTICS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| AHD | Retina | 0.02 | not defined | 51 | 0 | - | - |
| amoxicillin | Kidney | 0.01 | 0.01 | 304 | 0 | 0 | 0 |
| AMOZ | Retina | 0.02 | not defined | 51 | 0 | - | - |
| ampicillin | Kidney | 0.005 | not set | 304 | 0 | 0 | 0 |
| AOZ | Retina | 0.02 | not defined | 51 | 0 | - | - |
| apramycin | Kidney | 0.05 | 2 | 304 | 0 | 0 | 0 |
| avilamycin | Kidney | 0.05 | not set | 304 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

1

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| --- | --- | --- | --- | --- | --- | --- | --- |
| benzyl G penicillin | Kidney | 0.01 | 0.06 | 304 | 0 | 0 | 0 |
| ceftiofur (desfuroylceftiofur) | Kidney | 0.1 | not set | 304 | 0 | 0 | 0 |
| cefuroxime | Kidney | 0.05 | not set | 304 | 0 | 0 | 0 |
| cephalonium | Kidney | 0.005 | not set | 304 | 0 | 0 | 0 |
| chloramphenicol | Muscle | 0.0001 | not set | 302 | 0 | 0 | 0 |
| chlortetracycline | Kidney | 0.01 | not set | 304 | 0 | 0 | 0 |
| ciprofloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| cloxacillin | Kidney | 0.005 | not set | 304 | 0 | 0 | 0 |
| danofloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| difloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| dihydrostreptomycin | Kidney | 0.05 | 0.3 | 304 | 0 | 0 | 0 |
| doxycycline | Kidney | 0.01 | not set | 304 | 0 | 0 | 0 |
| enrofloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| erythromycin | Kidney | 0.05 | 0.3 | 304 | 0 | 0 | 0 |
| florfenicol | Muscle | 0.001 | not set | 302 | 0 | 0 | 0 |
| flumequine | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| gatifloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| gentamycin | Kidney | 0.05 | not set | 304 | 0 | 0 | 0 |
| levofloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| lincomycin | Kidney | 0.05 | not set | 304 | 0 | 0 | 0 |
| lomefloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| marbofloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| moxifloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| nalidixic acid | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| neomycin | Kidney | 0.05 | 10 | 304 | 0 | 0 | 0 |
| norfloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| oleandomycin | Kidney | 0.05 | 0.1 | 304 | 0 | 0 | 0 |
| orbifloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| oxolinic acid | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| oxytetracycline | Kidney | 0.01 | 0.6 | 304 | 0 | 0 | 0 |
| sarafloxacin | Kidney | 0.005 | not set | 50 | 0 | 0 | 0 |
| SEM | Retina | 0.02 | not defined | 51 | 0 | - | - |
| streptomycin | Kidney | 0.05 | 0.3 | 304 | 0 | 0 | 0 |
| sulfachloropyridazine | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfadiazine | Kidney | 0.01 | 0.1 | 304 | 0 | 0 | 0 |
| sulfadimethoxine | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfadimidine (sulfamethazine) | Kidney | 0.01 | 0.1 | 304 | 0 | 0 | 0 |
| sulfadoxine | Kidney | 0.02 | 0.1 | 304 | 0 | 0 | 0 |
| sulfafurazole | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfamerazine | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfamethoxazole | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfamethoxydiazine (sulfameter) | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfamethoxypyridazine | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfapyridine | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfaquinoxaline | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfathiazole | Kidney | 0.02 | not set | 304 | 0 | 0 | 0 |
| sulfatroxazole | Kidney | 0.02 | 0.1 | 304 | 0 | 0 | 0 |
| tetracycline | Kidney | 0.01 | not set | 304 | 0 | 0 | 0 |
| thiamphenicol | Muscle | 0.001 | not set | 302 | 0 | 0 | 0 |
| tilmicosin | Kidney | 0.05 | not set | 304 | 0 | 0 | 0 |
| trimethoprim | Kidney | 0.01 | 0.05 | 304 | 0 | 0 | 0 |
| tulathromycin | Kidney | 0.05 | 0.3 | 304 | 0 | 0 | 0 |
| tylosin | Kidney | 0.1 | not set | 304 | 0 | 0 | 0 |
| virginiamycin | Kidney | 0.005 | 0.2 | 304 | 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 3: ANTICOCCIDIALS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| amprolium | Liver | 0.01 | not set | 302 | 0 | 0 | 0 |
| decoquinate | Liver | 0.002 | not set | 302 | 0 | 0 | 0 |
| diclazuril | Liver | 0.01 | not set | 302 | 0 | 0 | 0 |
| halofuginone | Liver | 0.01 | not set | 302 | 0 | 0 | 0 |
| lasalocid | Liver | 0.01 | 0.7 | 302 | 0 | 0 | 0 |
| maduramicin | Liver | 0.002 | not set | 302 | 0 | 0 | 0 |
| monensin | Liver | 0.01 | 0.2 | 302 | 0 | 0 | 0 |
| narasin | Liver | 0.01 | not set | 302 | 0 | 0 | 0 |
| nicarbazin (4,4'-dinitrocarbanilide) | Liver | 0.01 | not set | 302 | 0 | 0 | 0 |
| salinomycin | Liver | 0.002 | not set | 302 | 0 | 0 | 0 |
| semduramycin | Liver | 0.002 | not set | 302 | 0 | 0 | 0 |
| toltrazuril | Liver | 0.01 | not set | 302 | 0 | 0 | 0 |

**Table 4: CONTAMINANTS**

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2

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| aldrin and dieldrin (HHDN+HEOD) | Fat | 0.02 | 0.2 | 305 | 0 | 0 | 0 |
| arochlor 1254 | Fat | 0.03 | 0.2 | 305 | 0 | 0 | 0 |
| arochlor 1260 | Fat | 0.03 | 0.2 | 305 | 0 | 0 | 0 |
| chlordane | Fat | 0.02 | 0.2 | 305 | 0 | 0 | 0 |
| DDT | Fat | 0.05 | 5 | 305 | 0 | 0 | 0 |
| endosulfan | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| endrin | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| HCB (hexachlorobenzene) | Fat | 0.02 | 1 | 305 | 0 | 0 | 0 |
| HCH (BHC) | Fat | 0.02 | 0.3 | 305 | 0 | 0 | 0 |
| heptachlor | Fat | 0.02 | 0.2 | 305 | 0 | 0 | 0 |
| lindane (gamma-HCH) | Fat | 0.01 | 2 | 305 | 0 | 0 | 0 |
| mirex | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| pentachlorobenzene | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |

**Table 5: DIOXINS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (pg/g)** | **MRL (pg/g)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| Dioxin-like PCBs Upper Bound | Fat | 0 | no limit | 10 | 10 | 0 | 0 |
| Dioxins+Furans Upper Bound | Fat | 0 | no limit | 10 | 10 | 0 | 0 |
| Dioxins+Furans+Dioxin-likePCBs Upper Bound | Fat | 0 | no limit | 10 | 10 | 0 | 0 |

\*pg TEQ/g (fat) expressed on an upper bound basis

**Table 6: FUNGICIDES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| amisulbrom | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| azoxystrobin | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| benzovindiflupyr | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| bixafen | Fat | 0.02 | 0.2 | 305 | 0 | 0 | 0 |
| boscalid | Fat | 0.01 | 0.3 | 305 | 0 | 0 | 0 |
| carbendazim | Fat | 0.01 | 0.2 | 305 | 0 | 0 | 0 |
| cyproconazole | Fat | 0.02 | 0.03 | 305 | 0 | 0 | 0 |
| difenoconazole | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| epoxiconazole | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| fenhexamid | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| fenpyrazamine | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| fludioxonil | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| fluopicolide | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| fluopyram | Fat | 0.01 | 0.1 | 305 | 0 | 0 | 0 |
| fluquinconazole | Fat | 0.01 | 0.5 | 305 | 0 | 0 | 0 |
| flutriafol | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| fluxapyroxad | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| imazalil | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| isofetamid | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| isopyrazam | Fat | 0.01 | 0.005 | 305 | 0 | 0 | 0 |
| mandestrobin | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| mefentrifluconazole | Fat | 0.01 | 0.2 | 305 | 0 | 0 | 0 |
| procymidone | Fat | 0.02 | 0.2 | 305 | 0 | 0 | 0 |
| propamocarb | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| propiconazole | Fat | 0.02 | 0.1 | 305 | 0 | 0 | 0 |
| proquinazid | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| prothioconazole | Fat | 0.02 | 0.02 | 305 | 0 | 0 | 0 |
| pydiflumetofen | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| pyraclostrobin | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| pyrimethanil | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| pyriofenone | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| quinoxyfen | Fat | 0.01 | 0.1 | 305 | 0 | 0 | 0 |
| quintozene | Fat | 0.02 | 0.2 | 305 | 0 | 0 | 0 |
| spiroxamine | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| tebuconazole | Fat | 0.01 | 0.1 | 305 | 0 | 0 | 0 |
| trifloxystrobin | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |

**Table 7: HERBICIDES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| amicarbazone | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| cinmethylin | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| cloquintocet-mexyl | Fat | 0.01 | 0.1 | 305 | 0 | 0 | 0 |
| ethofumesate | Fat | 0.02 | 0.5 | 305 | 0 | 0 | 0 |
| florpyrauxifen-benzyl | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| indaziflam | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| metamitron | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| metazachlor | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| metolachlor | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| propachlor | Fat | 0.02 | 0.02 | 305 | 0 | 0 | 0 |
| pyrasulfotole | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| pyroxsulam | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| saflufenacil | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| topramezone | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| trifludimoxazin | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |

**Table 8: HORMONES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| 16-hydroxystanozolol | Urine | 0.001 | not defined | 302 | 0 | - | - |
| betamethasone | Liver | 0.001 | not set | 10 | 0 | 0 | 0 |
| boldenone 17-alpha | Urine | 0.001 | not defined | 302 | 4 | - | - |
| boldenone 17-beta | Urine | 0.001 | not defined | 302 | 0 | - | - |
| dexamethasone | Liver | 0.001 | not set | 10 | 0 | 0 | 0 |
| dienoestrol | Liver | 0.0002 | not set | 302 | 0 | 0 | 0 |
| diethylstilboestrol | Liver | 0.0002 | not set | 302 | 0 | 0 | 0 |
| flumethasone | Liver | 0.001 | not set | 10 | 0 | 0 | 0 |
| hexoestrol | Liver | 0.0002 | not set | 302 | 0 | 0 | 0 |
| methandriol | Urine | 0.005 | not defined | 302 | 0 | - | - |
| methylprednisolone | Liver | 0.001 | not set | 10 | 0 | 0 | 0 |
| nortestosterone 17-alpha | Urine | 0.001 | not defined | 302 | 4 | - | - |
| nortestosterone 17-beta | Urine | 0.001 | not defined | 302 | 0 | - | - |
| stanozolol | Urine | 0.001 | not defined | 302 | 0 | - | - |
| trenbolone | Liver | 0.0005 | not set | 302 | 0 | 0 | 0 |
| triamcinolone | Liver | 0.001 | not set | 10 | 0 | 0 | 0 |
| triamcinolone acetonide | Liver | 0.001 | not set | 10 | 0 | 0 | 0 |
| zeranol (alpha-zearalanol) | Liver | 0.002 | not set | 302 | 0 | 0 | 0 |

**Table 9: INSECTICIDES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| acequinocyl | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| acetamiprid | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| afidopyropen | Fat | 0.012 | 0.1 | 305 | 0 | 0 | 0 |
| bifenthrin | Fat | 0.02 | 2 | 305 | 0 | 0 | 0 |
| bioresmethrin | Fat | 0.02 | 0.02 | 305 | 0 | 0 | 0 |
| buprofezin | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| carbaryl | Fat | 0.01 | 0.07 | 305 | 0 | 0 | 0 |
| chlorantraniliprole | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| chlorfenapyr | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| chlorfenvinphos | Fat | 0.005 | 0.2 | 305 | 0 | 0 | 0 |
| chlorfluazuron | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| chlorpyrifos | Fat | 0.01 | 0.5 | 305 | 0 | 0 | 0 |
| chlorpyrifos-methyl | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| clothianidin | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| coumaphos | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| cyantraniliprole | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| cyclaniliprole | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| cyfluthrin | Fat | 0.02 | 0.5 | 305 | 0 | 0 | 0 |
| cyhalothrin | Fat | 0.02 | 0.5 | 305 | 0 | 0 | 0 |
| cypermethrin | Fat | 0.02 | 0.5 | 305 | 0 | 0 | 0 |
| cyromazine | Kidney | 0.01 | 0.2 | 304 | 0 | 0 | 0 |
| deltamethrin | Fat | 0.02 | 0.2 | 305 | 0 | 0 | 0 |
| diafenthiuron | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| diazinon | Fat | 0.02 | 0.7 | 305 | 0 | 0 | 0 |
| dichlorvos | Fat | 0.02 | 0.01 | 305 | 0 | 0 | 0 |
| dicofol | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| dicyclanil | Kidney | 0.01 | 0.3 | 304 | 0 | 0 | 0 |
| diflubenzuron | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| dimethoate | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| dinotefuran | Fat | 0.03 | 0.02 | 305 | 0 | 0 | 0 |
| ethion | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| etofenprox | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| famphur | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| famphur oxygen-analogue | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| fenitrothion | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| fenthion | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| fenvalerate | Fat | 0.02 | 1 | 305 | 0 | 0 | 0 |
| fipronil | Fat | 0.01 | 0.1 | 305 | 0 | 0 | 0 |
| flonicamid | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| fluazuron | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |

National Residue Survey | Department of Agriculture, Fisheries and Forestry

4

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| flubendiamide | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| fluensulfone | Fat | 0.01 | 0.01 | 305 | 0 | 0 | 0 |
| flumethrin | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| flupyradifurone | Fat | 0.01 | 0.1 | 305 | 0 | 0 | 0 |
| fluralaner | Fat | 0.01 | 0.35 | 305 | 0 | 0 | 0 |
| imidacloprid | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| indoxacarb | Fat | 0.02 | 3 | 305 | 0 | 0 | 0 |
| malathion | Fat | 0.01 | 1 | 305 | 0 | 0 | 0 |
| melamine | Kidney | 0.01 | 2.5 | 304 | 0 | 0 | 0 |
| metaflumizone | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| methidathion | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| methoxychlor | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| mevinphos | Fat | 0.01 | 0.05 | 305 | 0 | 0 | 0 |
| novaluron | Fat | 0.01 | 0.1 | 305 | 0 | 0 | 0 |
| omethoate | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| parathion-methyl | Fat | 0.02 | not set | 305 | 0 | 0 | 0 |
| permethrin | Fat | 0.02 | 1 | 305 | 0 | 0 | 0 |
| phosmet | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| pirimiphos-methyl | Fat | 0.02 | 0.05 | 305 | 0 | 0 | 0 |
| prothiofos | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| pyraclofos | Fat | 0.02 | 0.5 | 305 | 0 | 0 | 0 |
| pyriproxyfen | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| spinetoram | Fat | 0.005 | 2 | 305 | 0 | 0 | 0 |
| spinosad | Fat | 0.005 | 2 | 305 | 19 | 0 | 0 |
| spirotetramat | Fat | 0.01 | 0.02 | 305 | 0 | 0 | 0 |
| sulfoxaflor | Fat | 0.01 | 0.2 | 305 | 0 | 0 | 0 |
| tau-fluvalinate | Fat | 0.01 | not set | 305 | 0 | 0 | 0 |
| temephos | Fat | 0.02 | 3 | 305 | 0 | 0 | 0 |
| triflumuron | Fat | 0.01 | 2 | 305 | 0 | 0 | 0 |

**Table 10: METALS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤1/2 MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| antimony | Liver | 0.01 | no limit | 302 | 2 | 0 | 0 |
| arsenic (total) | Liver | 0.05 | no limit | 302 | 0 | 0 | 0 |
| cadmium | Liver | 0.01 | 1.25 | 302 | 278 | 2 | 1 |
| lead | Liver | 0.01 | 0.5 | 302 | 153 | 0 | 0 |
| mercury (total) | Liver | 0.01 | no limit | 302 | 21 | 0 | 0 |

**Table 11: MYCOTOXINS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| taleranol (beta-zearalanol) | Liver | 0.002 | no limit | 302 | 0 | 0 | 0 |
| zearalanone | Liver | 0.002 | no limit | 302 | 0 | 0 | 0 |
| zearalenol alpha | Liver | 0.002 | no limit | 302 | 0 | 0 | 0 |
| zearalenol beta | Liver | 0.002 | no limit | 302 | 1 | 0 | 0 |
| zearalenone | Liver | 0.002 | no limit | 302 | 0 | 0 | 0 |

**Table 12: 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 | 302 | 0 | 0 | 0 |
| clenbuterol | Liver | 0.0003 | not set | 302 | 0 | 0 | 0 |
| flunixin | Kidney | 0.01 | not set | 304 | 0 | 0 | 0 |
| ketoprofen | Kidney | 0.01 | not set | 304 | 0 | 0 | 0 |
| mabuterol | Liver | 0.0003 | not set | 302 | 0 | 0 | 0 |
| meloxicam | Kidney | 0.005 | 0.01 | 304 | 0 | 0 | 0 |
| oxyphenbutazone | Kidney | 0.005 | not set | 304 | 0 | 0 | 0 |
| phenylbutazone | Kidney | 0.005 | not set | 304 | 0 | 0 | 0 |
| ractopamine | Liver | 0.0003 | not set | 302 | 0 | 0 | 0 |
| salbutamol | Liver | 0.001 | not set | 302 | 0 | 0 | 0 |
| tolfenamic acid | Kidney | 0.005 | not set | 304 | 0 | 0 | 0 |
| zilpaterol | Liver | 0.0003 | not set | 302 | 0 | 0 | 0 |

**Table 13: SEDATIVES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Chemical** | **Matrix** | **LOR (mg/kg)** | **MRL (mg/kg)** | **Number of  samples tested** | **> LOR to  ≤½ MRL** | **>½ MRL to  ≤MRL** | **>MRL** |
| 2,6-dimethylaniline | Fat | 0.02 | not set | 300 | 0 | 0 | 0 |
| 4-acetamidobenzoic acid | Fat | 0.02 | not set | 300 | 0 | 0 | 0 |
| 4-aminobenzoic acid | Fat | 0.02 | not set | 300 | 0 | 0 | 0 |
| benzocaine | Fat | 0.005 | not set | 300 | 0 | 0 | 0 |
| bupivacaine | Fat | 0.005 | not set | 300 | 0 | 0 | 0 |

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5

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| bupivacaine-desbutyl | Fat | 0.02 | not set | 300 | 0 | 0 | 0 |
| fentanyl | Fat | 0.005 | not set | 300 | 0 | 0 | 0 |
| glycinexylidide | Fat | 0.02 | not set | 300 | 0 | 0 | 0 |
| lidocaine | Fat | 0.005 | not set | 300 | 0 | 0 | 1 |
| mepivacaine | Fat | 0.005 | not set | 300 | 0 | 0 | 0 |
| norlidocaine | Fat | 0.02 | not set | 300 | 0 | 0 | 0 |
| procaine | Fat | 0.005 | not set | 300 | 0 | 0 | 0 |
| xylazine | Fat | 0.005 | not set | 300 | 0 | 0 | 0 |

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6