



National Chemical Contaminants Programme

Raw Milk Result Summary (July 2016 to June 2017)

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1 Summary

This National Chemical Contaminants Programme (NCCP) report provides a summary of results for raw milk and colostrum sampled over the full 2016/2017 dairy season, spanning the period 1 July 2016 to 30 June 2017, and tested for a range of residues and contaminants.

The purpose of the NCCP is to:

- provide an assurance that not less than 99% of milk produced in New Zealand conforms to New Zealand and international requirements for chemical residues and contaminants;
- establish baseline levels for specific constituents naturally present in milk;
- confirm the accuracy of attestations provided to other competent authorities; and
- investigate unfavourable findings to ensure that controls remain effective, that emerging hazards are identified, and appropriate regulatory measures are applied.

In addition to the NCCP monitoring of raw milk, dairy products are also sampled and tested for a range of residues and contaminants. These two programmes combine to provide a high level of confidence in the safety and suitability of New Zealand dairy products.

There were no results exceeding New Zealand MRLs. This represents a conformance rate of 100%.

2 NCCP Sampling and Testing

2.1 WHAT WE TESTED

- 308 raw milk samples were collected over 7 random sampling rounds across the period 1 July 2016 to 30 June 2017 (306 milk samples in 2015/16); and
- 1 targeted colostrum round of 10 samples across the period 1 July 2016 to 30 June 2017 (10 in 2015/16).

All the random sampling of raw milk and colostrum occurs at the farm bulk milk tank prior to any further consolidation, co-mingling or dilution with milk from other farms.

2.2 WHAT WE LOOKED FOR

More than 500 individual compounds or elements including:

- Contaminants
 - Aflatoxins
 - Chemical elements
 - Process contaminants
- Pesticides
 - Insecticides
 - Herbicides
 - Fungicides.
- Veterinary medicines
 - Antibiotics
 - Anthelmintics
 - NSAIDS
- Other compounds such as withdrawn or not permitted for food producing animals
- pesticides;

- herbicides;
- fungicides;
- other compounds withdrawn, or not permitted for food-producing animals;
- aflatoxins;
- incidental contaminants; and
- chemical elements.

In total, 169,025 individual test results (excluding the milk integrity results) were obtained for the raw milk and colostrum samples.

2.2.1 Milk Integrity

This report also includes a milk integrity summary that sets out the testing undertaken for compositional characteristics and components or minerals expected in milk. The purpose of this testing is to confirm that the levels for each component are within the expected range, and that no form of adulteration or manipulation of the milk is occurring.

The milk and colostrum milk integrity results are summarised in Table 7.

2.3 ACTION LIMITS

Action limits are established for all residues of primary interest in the NCCP. Where maximum residue levels (MRLs) have been set, the action limit is typically set at the lowest value applied under New Zealand, Codex and importing country MRLs. Where a compound is not permitted, or not registered for use on milking animals, the action limit is at the laboratory method reporting limit.

For compounds or chemical elements naturally occurring in raw milk, the action limits are set to identify unexpected levels that warrant further investigation. While unexpected levels will often be due to natural influences, the investigation aids MPIs understanding of the issue and ensures that no form of adulteration or inappropriate farming practice is occurring.

3 Results

3.1 RAW MILK

Of the 163,595 individual test results for raw milk (excluding colostrum), there were 248 reported detections (0.15%) above the agreed method reporting limit. Seven results were above the action limit (0.004%):

- 1 detection of cyanuric acid (0.29 mg/kg) above the action limit of 0.26 mg/kg;
- 1 detection of DDE (p,p') ****¹ (0.021 mg/kg) above the action limit of 0.02 mg/kg;
- 5 detections of bis(2-ethylhexyl) adipate (DEHA) (1.4 to 7.8 mg/kg) above the action limit of 1 mg/kg.

There were no results exceeding New Zealand MRLs. This represents a conformance rate of 100%.

The results are in Tables 1 and 2, and are discussed following each table.

¹ Action limit applies to p,p'-DDE and to the sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD), corrected to milk with 4% milkfat

3.2 COLOSTRUM

Of the 5,430 individual test results for colostrum there were 16 reported detections (0.29%) above the agreed method reporting limit. There was 1 result above the action limit (0.018%):

- 1 detection of cefalonium (0.021 mg/kg) above the action limit of 0.02 mg/kg.

There were no results exceeding New Zealand MRLs. This represents a conformance rate of 100%.

The results are in Tables 1 and 2, and are discussed following each table.

3.3 DETECTIONS ABOVE ACTION LIMITS

Table 1: Compounds detected in raw milk and colostrum reported above the action limit

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR	Method	Code***
Bis(2-ethylhexyl) adipate (DEHA)	Milk	60	41	19	5	☞	1	0.1	GC-MS/MS	Pht
Cefalonium	Colostrum	10	9	1	1	☞	0.02	0.008	Copan	IS
Cyanuric acid	Milk	60	59	1	1	☞	0.26	0.1	LC-MS/MS	O
DDE (p,p) ****	Milk	308	277	31	1	☞	0.02	0.002	GC-MS/MS	P

Notes

*** Refer Appendix 1 for code

☞ The test result was above the action limit

3.3.1 Bis(2-ethylhexyl) adipate (DEHA)

DEHA has replaced bis(2-ethylhexyl) phthalate (DEHP) in some food contact materials (such as milking cup liners) and so low level detections are not unexpected. The action limit for DEHA has been established based on levels reasonably expected to be found in milk or dairy products, though DEHA is not currently a compound of high concern. Five milk samples were reported with DEHA (results ranging 1.4 to 7.8 mg/kg). These were above the action limit of 1 mg/kg. Investigation at the five farms confirmed no unexpected sources of DEHA.

3.3.2 Cefalonium

A detection of cefalonium above the action limit was reported in one colostrum sample (result of 0.021 mg/kg). The investigation found that the farmer supplied colostrum in breach of his contract with the dairy RMP operator. The animal had been treated with dry cow therapy. The supplier breached the contract with the operator which stated that cows treated with dry cow therapy could not be milked to supply colostrum, and the required withholding period had not been observed. Dilution calculations for the total amount of milk collected in the tanker gave an estimated concentration of 0.0009863 mg/kg. As such the product in the tanker was within acceptable bounds.

3.3.3 Cyanuric acid

Cyanuric acid is a known metabolite of several pesticides and agricultural compounds. Other sources of cyanuric acid may include feed additives or water treatment disinfectants. A dairy goat milk sample was found with a cyanuric acid level at 0.29 mg/kg. The action limit for this

compound is at 0.26 mg/kg. The investigation found that the evaluated levels of cyanuric acid in raw milk likely resulted from the farm operator not rinsing the plant with water following an alkali wash.

3.3.4 DDE (p,p')

The detection of DDE (p,p') in one milk sample at 0.021 mg/kg was above the action limit of 0.02 mg/kg. The investigation found that the dilution of colostrum at the tanker level would result in DDE levels well below the action limit. While the use of DDT in New Zealand agriculture was effectively banned in the early 1970s, the DDE metabolite has been shown to have a very long half-life (in excess of 25 years) in some soils under certain situations. Circumstances that result in higher than normal soil ingestion (such as droughts, use of certain crops or even very wet winters) can, on occasion, result in some animals having a slightly higher exposure. This can show up mainly in the first few milkings. The levels found, and the infrequency of such isolated findings from individual farms, are not likely to result in the bulk silos at processing facilities even coming close to any of the action limits. The investigation found that the dilution of colostrum at the tanker level would result in DDE levels well below the action limit.

3.4 OTHER DETECTIONS BELOW ACTION LIMITS

Table 2: Compounds detected in raw milk and colostrum above agreed method reporting limits and below action limits

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code****
Abamectin	Milk	157	156	1	0	●	0.005	0.002	HPLC-FL	ML
Ampicillin	Colostrum	10	6	4	0	●	0.004	0.0015	Microbial Inhibition	MIT
Arsenic	Milk	308	305	3	0	●	0.01	0.001	Wet oxidation/ICPMS	EL
Bis(2-ethylhexyl) phthalate (DEHP)	Milk	60	58	2	0	●	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	308	185	115	0	●	No MRL required	0.001	Acid Digest/ICPMS	EL
Bismuth	Colostrum	10	7	3	0	●	No MRL required	0.001	Acid Digest/ICPMS	EL
Cadmium	Milk	308	258	50	0	●	0.1	0.0002	Acid digest/ICPMS	EL
Cloxacillin sodium	Colostrum	10	8	2	0	●	0.03	0.015	Copan	IS
DDE (p,p) ****	Colostrum	10	5	5	0	●	0.02	0.002	GC-MS/MS	P
Diphenylamine	Milk	308	301	7	0	●	0.01	0.002	GC-MS/MS	P
Lead	Milk	308	289	19	0	●	0.02	0.001	Wet oxidation/ICPMS	EL
Tin	Milk	308	307	1	0	●	0.1	0.005	Acid digest/ICPMS	EL

Notes

**** Refer Appendix 1 for code

- The amount reported did not exceed the action limit threshold

3.4.1 Macrocyclic lactones

Abamectin is registered for use as a parasiticide for cattle in New Zealand. The detection below the action limit in a milk sample is not unexpected.

3.4.2 Inhibitory substances

Ampicillin was detected in four of the ten colostrum samples while cloxacillin was detected in eight. In none of these instances was the action limit exceeded. These compounds are commonly found in dry cow therapies so trace detections are not unexpected in colostrum.

3.4.3 Chemical elements

Arsenic, bismuth, cadmium, lead and tin were reported in milk. The reported levels did not exceed action limits. Given the relatively low level of industrialisation in New Zealand, there is little heavy metal contamination within the environment. As milking cows primarily graze pasture and receive relatively small quantities of feed from external sources, it is unlikely for contamination to occur through the feed supply. These results are not unexpected, and are below any level that would be of concern in milk or dairy products.

Lead is a ubiquitous environmental contaminant, albeit usually at very low levels in New Zealand. Isolated higher levels are likely to be associated with anthropogenic sources of lead from such uses as historical storage sites for leaded petrol, leaching from lead shot or fishing lures, ash contamination from incinerators and residues from historical use of lead arsenate insecticides. Appropriate controls and advisories are already in place for most of these potential sources. The levels of lead reported in the milk and colostrum samples were all below the action limits. These results are not unexpected, and are below any level that would be of concern in milk or dairy products.

Bismuth is an inert compound used in teat sealants when cows are dried off at the end of lactation. Teat sealant products have been shown to be highly effective in minimising mastitis incidence during the dry period which, in turn, means that there is less reliance on antibiotic treatments during the early stages of lactation.

Many countries exempt bismuth from residue requirements due to its inert nature, and limited use as a veterinary treatment. New Zealand provides an exemption from MRLs for bismuth when used as an oral treatment, or when used as an intra-mammary teat sealant. When used as a teat sealant, the majority of the insoluble plug is removed before the first milking.

3.4.4 Pesticides

Diphenylamine was detected in 7 milk samples. All detections were below the action limit. Diphenylamine may be used in rubber ware as well as being associated with some dyes.

DDE (p,p') was detected in 5 colostrum samples. All were below the action limit. As discussed above, circumstances that result in higher than normal soil ingestion (such as droughts, use of certain crops or even very wet winters) may, on occasion, result in some animals having a slightly higher exposure. This can show up mainly in the first few milkings.

3.4.5 Phthalates

Bis(2-ethylhexyl) phthalate (DEHP) was reported in 2 milk samples. The reported levels did not exceed action limit. DEHP is known to have been included in the formulation of milk liners to provide the required flexing of the component during milking. These milk liners have been found to be the primary source of DEHP in milk products. Consequently DEHP has been removed from use in the formulation of rubber components for the milking plant. The detections of DEHP are likely to reflect legacy use of old formulation milk liners.

3.5 OTHER TOOLS TO SUPPORT THE NCCP

All testing under the programme is also supported by on-farm verification of milking practices (under MPI direction) to give further confidence that New Zealand dairy farmers are protecting the quality and integrity of the milk they produce.

4 Conclusion

The practice of sampling raw milk and colostrum at the farm, prior to consolidation through collection and processing, allows for conclusions to be made with respect to New Zealand

farmer compliance with both Good Agricultural Practice (GAP) and Good Practice in the Use of Veterinary Drugs (GPVD)². As with previous years, these results provide a high level of confidence that New Zealand has appropriate controls in place to ensure its milk and milk products will continue to consistently meet both the New Zealand and the relevant international standards for chemical residues and contaminants.

Furthermore, the Ministry for Primary Industries has a standard policy that requires all unusual or unexpected results, regardless as to whether it they came from a government or industry sample, to be investigated for the potential cause and initiate either local or system corrective actions as appropriate.

The overall rate of all detections (above the agreed method reporting limits) continues to be very low, and in the 2016/2017 year was 0.15%. This is within the range of the overall rate of detections reported in previous years (0.10% in 2015/16, 0.05% in 2014/15, 0.07% in 2013/14, 0.07% in 2012/13, 0.06% in 2011/12, 0.08% in 2010/11, 0.13% in 2009/10 and 0.12% in 2008/09).

5 Results

5.1 RAW MILK RESULTS – DETECTIONS

Table 3: Compounds detected in raw milk above agreed method reporting limits

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code* **
Abamectin	Milk	157	156	1	0	●	0.005	0.002	HPLC-FL	ML
Arsenic	Milk	308	443	2	0	●	0.01	0.001	Wet oxidation/ICPMS	EL
Bis(2-ethylhexyl) phthalate (DEHP)	Milk	60	58	2	0	●	1	0.1	GC-MS/MS	Pht
Bis(2-ethylhexyl) adipate (DEHA)	Milk	60	41	19	5	●	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	308	185	115	0	●	No MRL required	0.001	Acid Digest/ICPMS	EL
Cadmium	Milk	308	336	50	0	●	0.1	0.0002	Acid digest/ICPMS	EL
Cyanuric acid	Milk	60	59	1	1	●	0.26	0.1	LC-MS/MS	O
DDE (p,p) ****	Milk	308	277	31	1	●	0.02	0.002	GC-MS/MS	P
Diphenylamine	Milk	308	301	7	0	●	0.01	0.002	GC-MS/MS	P
Lead	Milk	308	367	19	0	●	0.02	0.001	Wet oxidation/ICPMS	EL
Tin	Milk	308	385	1	0	●	0.1	0.005	Acid digest/ICPMS	EL

Notes

*** Refer Appendix 1 for code

**** Action limit applies to p,p'-DDE and to the sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD), corrected to milk with 4% milkfat

● The amount reported did not exceed the action limit threshold

● The test result was above the action limit

5.2 RAW MILK RESULTS – ALL

Table 4: All raw milk results

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
2-Phenylphenol	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

² Codex Alimentarius Commission Procedural Manual

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Abamectin	Milk	157	156	1	0	•	0.005	0.002	HPLC-FL	ML
Abamectin	Milk	308	308	0	0		0.005	0.01*	LC-MS/MS	P
Acephate	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Acetamiprid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Acetamiprid-N-desmethyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Acetochlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Acibenzolar-S-methyl	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Acrinathrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Aflatoxin-B1	Milk	45	45	0	0		0.33 (µg/kg)	0.33 (µg/kg)	HPLC	AF
Aflatoxin-B2	Milk	45	45	0	0		0.03 (µg/kg)	0.03 (µg/kg)	HPLC	AF
Aflatoxin-G1	Milk	45	45	0	0		0.33 (µg/kg)	0.33 (µg/kg)	HPLC	AF
Aflatoxin-G2	Milk	45	45	0	0		0.03 (µg/kg)	0.03 (µg/kg)	HPLC	AF
Aflatoxin-M1	Milk	45	45	0	0		0.05 (µg/kg)	0.018 (µg/kg)	HPLC	AF
Aflatoxin-M1	Milk	308	308	0	0		0.05 (µg/kg)	0.01 (µg/kg)	ELISA	AF
Aflatoxin-M2	Milk	45	45	0	0		0.05 (µg/kg)	0.009 (µg/kg)	HPLC	AF
AHD (Nitrofurantoin metabolite)	Milk	308	308	0	0		0.001	0.001	LC-MS/MS	N
Alachlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Alanycarb	Milk	308	308	0	0		0.05	0.002	LC-MS/MS	P
Albendazole	Milk	157	157	0	0		0.1	0.011	LC-MS/MS	B
Aldicarb	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Aldicarb sulfone	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Aldicarb sulfoxide	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Aldrin	Milk	308	308	0	0		0.006	0.002	GC-MS/MS	P
Allidochlor	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Ametoctradin	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Ametryn	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Amoxicillin	Milk	308	308	0	0		0.004	0.0015	Microbial Inhibition	MIT
AMOZ (Furaltadone metabolite)	Milk	308	308	0	0		0.001	0.001	LC-MS/MS	N
Ampicillin	Milk	308	308	0	0		0.004	0.0015	Microbial Inhibition	MIT
Anilofos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Anthraquinone	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
AOZ (Furazolidone metabolite)	Milk	308	308	0	0		0.001	0.001	LC-MS/MS	N
Arsenic	Milk	308	306	2	0	•	0.01	0.001	Wet oxidation/IC PMS	EL
Atrazine	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Azaconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Azamephos	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Azinphos-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Azoxystrobin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Benalaxyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bendiocarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Benfluralin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Benodanil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Benoxacor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bensulfuron-methyl	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Bensulide	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Benzyl butyl phthalate (BBP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Benzyl dimethyl dodecyl ammonium chloride (BDM-C12)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
BHC (alpha)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
BHC (beta)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
BHC (delta)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bifenox	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bifenthrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bioresmethrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bis(2-ethylhexyl) phthalate (DEHP)	Milk	60	58	2	0	●	1	0.1	GC-MS/MS	Pht
Bis(2-ethylhexyl) adipate (DEHA)	Milk	60	41	19	5	☞	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	308	193	115	0	●	No MRL required	0.001	Acid Digest/ICP MS	EL
Bitertanol	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Boscalid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Bromacil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bromobutide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bromophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bromophos-ethyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bromopropylate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Bupirimate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Buprofezin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Butachlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Butafenacil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Butamifos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cadmium	Milk	308	258	50	0	●	0.1	0.0002	Acid digest/ICP MS	EL
Cadusafos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cafenstrole	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Carbaryl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Carbendazim	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Carbetamide	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Carbofuran	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Carboxin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Carfentrazone-ethyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Carpromamid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Cefalexin	Milk	308	308	0	0		0.1	0.012	Microbial Inhibition	MIT
Cefalonium	Milk	308	308	0	0		0.02	0.008	Copan	IS
Cefalonium	Milk	308	308	0	0		0.02	0.008	Microbial Inhibition	MIT
Cefapirin sodium	Milk	308	308	0	0		0.01	0.004	Copan	IS
Cefazolin	Milk	308	308	0	0		0.05	0.005	Copan	IS
Ceftiofur	Milk	308	308	0	0		0.01	0.008	Microbial Inhibition	MIT
Cefuroxime sodium	Milk	308	308	0	0		0.036**	0.036	Copan	IS
Chloramphenicol	Milk	308	308	0	0		0.0001	0.0001	LC-MS/MS	A6
Chlorantranilprole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Chlordane-cis	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlordane-trans	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlorfenapyr	Milk	308	308	0	0		0.02	0.005	GC-MS/MS	P
Chlorfenvinphos	Milk	308	308	0	0		0.1	0.002	GC-MS/MS	P
Chloridazon	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Chlorimuron-ethyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Chlorobenzilate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlorotetracycline hydrochloride	Milk	308	308	0	0		0.6**	0.6	Copan	IS
Chlorotoluron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Chlorpropham	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlorsulfuron	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Chlortetracycline	Milk	308	308	0	0		0.05	0.004	Microbial Inhibition	MIT
Chlorthal-dimethyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlorthiophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chlzolinate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Chromafenozide	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Cinidon-ethyl	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Clethodim	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Clodinafop-propargyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Clobfentazine	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Clomazone	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cloquintocet-mexyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Clothianidin	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Cloxacillin sodium	Milk	308	308	0	0		0.03	0.015	Copan	IS
Coumaphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Coumaphos oxon	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Crufomate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyanazine	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyanophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyantraniliprole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Cyanuric acid	Milk	60	59	1	1	☞	0.26	0.1	LC-MS/MS	O
Cyazofamid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Cycloate	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Cyclosulfamuron	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Cyflufenamid	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Cyfluthrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyhalofop-butyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyhalothrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cymoxanil	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Cypermethrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyproconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyprodinil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Cyromazine	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Daimuron	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
DDD (o,p) ****	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
DDD (p,p) ****	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
DDE (o,p) ****	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
DDE (p,p) ****	Milk	308	277	31	1	☞	0.02	0.002	GC-MS/MS	P
DDT (o,p) ****	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
DDT (p,p) ****	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Deltamethrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl sulfoxide	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Desmedipham	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Dexamethasone	Milk	60	60	0	0		0.00011	0.00011	GC-MS/MS	D
Diazinon	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Dichlobenil	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Dichlofenthion	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dichlofluanid	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Dichlorobenzophenone (Dicofol-BP metabolite)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dichlorvos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Diclobutrazol	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Diclocymet	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Diclofop-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dicloran	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Diclosulam	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Dicloxacillin sodium salt hydrate	Milk	308	308	0	0		0.03	0.01	Copan	IS
DicofoI-BP	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dicrotophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dicyandiamide (DCD)	Milk	60	60	0	0		0.1	0.05	LC-MS/MS	C
Dicyclanil	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Didecyl phthalate (DDP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Dieldrin	Milk	308	308	0	0		0.006	0.002	GC-MS/MS	P
Diethofencarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Diethyl phthalate (DEP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Difenoconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Diflubenzuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Diflufenican	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dihexyl phthalate (DHxP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Dihydrostreptomycin	Milk	308	308	0	0		0.1	0.02	Microbial Inhibition	MIT
Dihydrostreptomycin sesquisulfate	Milk	308	308	0	0		2.0**	2	Copan	IS
Diisobutyl phthalate (DIBP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Diisodecyl phthalate (DIDP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Diisononyl-phthalate (DINP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Diisopropyl phthalate (DIP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Dimepiperate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dimethenamid	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dimethoate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dimethomorph	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Dimethyl phthalate (DMP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Dimethylditetradecylammonium chloride (DM-DC14)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
Dimethylinphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Di-n-butyl phthalate (DBP)	Milk	60	60	0	0		0.3	0.1	GC-MS/MS	Pht
Di-n-heptyl phthalate (DNHP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Di-n-octyl phthalate (DNOP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Di-n-pentyl phthalate (DNPP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Dioxabenzofos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dioxathion	Milk	308	308	0	0		0.02	0.005	LC-MS/MS	P
Diphenamid	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Diphenylamine	Milk	308	301	7	0	•	0.01	0.002	GC-MS/MS	P
Disulfoton	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Dithiopyr	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Diuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Doramectin	Milk	157	157	0	0		0.003	0.002	HPLC-FL	ML
Doxycycline hyclate	Milk	308	308	0	0		0.3**	0.3	Copan	IS
Edifenphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Emamectin benzoate	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Endosulfan (alpha)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan (beta)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan sulfate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Endrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Endrin ketone	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
EPN	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Epoxiconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Eprinomectin	Milk	157	157	0	0		0.02	0.002	HPLC-FL	ML
EPTC	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Erythromycin	Milk	308	308	0	0		0.05	0.01	Microbial Inhibition	MIT
Esprocarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ethalfuralin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ethametsulfuron-methyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Ethiofencarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ethion	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ethiprole	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Ethofumesate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ethoprophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ethoxyquin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ethoxysulfuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Ethychlozate	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Etobenzanid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Etozazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Etridiazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Etrimfos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Famoxadone	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Famphur	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenamidone	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Fenamiphos	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fenarimol	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenbendazole	Milk	157	157	0	0		0.01	0.017*	LC-MS/MS	B
Fenbuconazole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fenchlorphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenhexamid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fenitrothion	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenobucarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenothiocarb	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fenoxanil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenoxaprop	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Fenoxaprop-ethyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenoxycarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenpiclonil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenpropadin	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fenpropathrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenpropimorph	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenpyroximate	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fensulfothion	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fenthion	Milk	308	308	0	0		0.05	0.002	GC-MS/MS	P
Fenthion oxon	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fenthion oxon sulfone	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Fenthion oxon sulfoxide	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fenthion sulfone	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Fenthion sulfoxide	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Fenthion-ethyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fentrazamide	Milk	308	308	0	0		0.02	0.01	LC-MS/MS	P
Fenvalerate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Ferimzone	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fipronil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fipronil sulfide	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fipronil sulfone	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Flamprop	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Flamprop-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Flazasulfuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Florfenicol	Milk	308	308	0	0		0.0007	0.0007	LC-MS/MS	A6
Fluacrypyrim	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fluazifop-P-butyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Flubendazole	Milk	157	157	0	0		0.01	0.009	LC-MS/MS	B
Flubendazole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Flubendiamide	Milk	308	308	0	0		0.02	0.02	LC-MS/MS	P
Flucythrinate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fludioxonil	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Flufenacet	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Flumethrin	Milk	308	308	0	0		0.01	0.005	GC-ECD	P
Flumiclorac-pentyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Flumioxazin	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Flunixin	Milk	157	157	0	0		0.002	0.0052*	GC-MS/MS	NS
Fluometuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Fluopicolide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fluopyram	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Fluquinconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fluridone	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Flusilazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fluthiacet-methyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Flutolanil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Flutriafol	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fluvalinate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fonofos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Forchlorfenuron	Milk	308	308	0	0		0.02	0.005	LC-MS/MS	P
Fosthiazate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Fuberidazole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Furalaxyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Furametpyr	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Furathiocarb	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Glyphosate	Milk	48	48	0	0		0.01	0.01	LC-MS/MS	O
Halosulfuron-methyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Haloxypop-etotyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Haloxypop-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor endo-epoxide	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Heptachlor exo-epoxide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Heptenophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Hexachlorobenzene	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Hexaconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Hexadecylpyridiniumammonium chloride (C16-PY)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
Hexadecyltrimethylammonium chloride (TM-C16)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
Hexaflumuron	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Hexazinone	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Hexythiazox	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Imazalil	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Imazamethabenz-methyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Imazosulfuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Imidacloprid	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Imidacloprid-5-hydroxy	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Imidacloprid-olefin	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Inabenfide	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Indanofan	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Indoxacarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Iodofenphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Iodosulfuron-methyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Iprobenfos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Iprodione	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Iprovalicarb	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Isazofos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Isofenphos	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Isofenphos-methyl	Milk	308	308	0	0		0.02	0.005	LC-MS/MS	P
Isoproc carb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Isoprothiolane	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Isoproturon	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Isopyrazam	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Isoxathion	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Ivermectin	Milk	157	157	0	0		0.01	0.002	HPLC-FL	ML
Kanamycin	Milk	308	308	0	0		0.1	0.1	Microbial Inhibition	MIT
Karbutilate	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Ketoprofen	Milk	157	157	0	0		0.002	0.0047*	GC-MS/MS	NS
Kresoxim-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Lactofen	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Lasalocid	Milk	60	60	0	0		0.005	0.015*	LC-MS/MS	PC
Lead	Milk	308	289	19	0	●	0.02	0.001	Wet oxidation/IC PMS	EL
Lenacil	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Leptophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Levamisole	Milk	157	157	0	0		0.1	0.012	LC-MS/MS	B
Lindane (γ-HCH)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Linuron	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Maduramicin	Milk	60	60	0	0		0.022	0.067*	LC-MS/MS	PC
Malathion	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Mandipropamid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Mebendazole	Milk	157	157	0	0		0.01	0.01	LC-MS/MS	B
Mefenacet	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Mefenpyr-diethyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Melamine	Milk	60	60	0	0		0.27	0.1	LC-MS/MS	O
Mepanipyrim	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Mepronil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Mercury-(total)	Milk	308	308	0	0		0.001	0.001	Acid digest/ICP MS	EL
Mesotrione	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Metaxyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Metamitron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Metconazole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Methabenzthiazuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Methacrifos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Methamidophos	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Methidathion	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb sulfone	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Methiocarb sulfoxide	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Methomyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Methoxychlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Methoxyfenozide	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Metobromuron	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Metolachlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Metominostrobin (E)	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Metominostrobin (Z)	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Metosulam	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Metrafenone	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Metribuzin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Metsulfuron-methyl	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Mevinphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Mirex	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Molinate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Monensin	Milk	60	60	0	0		0.002	0.009*	LC-MS/MS	PC
Monocrotophos	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Monolinuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Moxidectin	Milk	157	157	0	0		0.04	0.002	HPLC-FL	ML
Myclobutanil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Nafcillin sodium salt monohydrate	Milk	308	308	0	0		0.03	0.004	Copan	IS
Napropamide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Narasin	Milk	60	60	0	0		0.006	0.017*	LC-MS/MS	PC
N-benzyltrimethyldecylammonium chloride (BDM-C10)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethylhexadecylammonium chloride (BDM-C16)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethyloctadecylammonium chloride (BDM-C18)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethyltetradecylammonium chloride (BDM-C14)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-didecyltrimethylammonium chloride (DM-DC10)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyltrimethylammonium chloride (DM-DC12)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
Neomycin	Milk	308	308	0	0		1.6**	1.6	Copan	IS
Nitrofen	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Nitrothal-isopropyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Norflurazon	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Novaluron	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Octhilinone	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Oleandomycin	Milk	308	308	0	0		0.1	0.05	Microbial Inhibition	MIT
Omethoate	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Oryzalin	Milk	308	308	0	0		0.02	0.01	LC-MS/MS	P
Oxabetrinil	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Oxadiazon	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Oxadixyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Oxamyl	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Oxycarboxin	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Oxychlorthane	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Oxyfluorfen	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Oxytetracycline	Milk	308	308	0	0		0.1	0.015	Microbial Inhibition	MIT
Oxytetracycline dihydrate	Milk	308	308	0	0		0.5**	0.5	Copan	IS
Paclobutrazol	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Parathion	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Parathion-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Penconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pencycuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Pendimethalin	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Penicillin G	Milk	308	308	0	0		0.002	0.002	Copan	IS
Penicillin G	Milk	308	308	0	0		0.002	0.0004	Microbial Inhibition	MIT
Pentachlorobenzene	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Penthiopyrad	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Permethrin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Perthan	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Phenmedipham	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Phenthoate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Phenylbutazone	Milk	157	157	0	0		0.002	0.007*	GC-MS/MS	NS
Phorate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfone	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfoxide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Phosalone	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Phosmet	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Phosphamidon	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Phoxim	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Picolinafen	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Piperonyl butoxide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Piperophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Pirimicarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pirimiphos-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pretilachlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Prochloraz	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Procymidone	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Profenofos	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Promecarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Prometryn	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Propachlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Propamocarb	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Propanil	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Propaphos	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Propaquizafop	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Propargite	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Propazine	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Propetamphos	Milk	308	308	0	0		0.1	0.002	GC-MS/MS	P
Propham	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Propiconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Propoxur	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Propyzamide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Proquinazid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Prosulfocarb	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Prothiofos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pymetrozine	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Pyraclufos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyraclostrobin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyraflufen-ethyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyrasulfotole	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Pyrazophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyrethrins	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Pyributicarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyridaben	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyridaphenthion	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyrifenox	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Pyriftalid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Pyrimethanil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyrimidifen	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (E)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (Z)	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Pyriproxyfen	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Pyroquilon	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Pyroxsulam	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Quinalphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Quinoclamine	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Quinoxifen	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Quintozene	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Quizalofop-ethyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Rimsulfuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Saflufenacil	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Salinomycin	Milk	60	60	0	0		0.003	0.009*	LC-MS/MS	PC
Sebuthylazine	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
SEM (Nitrofurazone metabolite)	Milk	308	308	0	0		0.001	0.001	LC-MS/MS	N
Semduramycin	Milk	60	60	0	0		0.02	0.06*	LC-MS/MS	PC
Sethoxydim	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Simazine	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Simeconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Simetryn	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Sodium monofluoroacetate	Milk	61	61	0	0		0.001	0.001	LC-MS/MS	O
Spinetoram	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Spinosad	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Spiromesifen	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Spiromesifen enol	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Spiromycin	Milk	308	308	0	0		0.1	0.04	Microbial Inhibition	MIT
Spirotetramat	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Spirotetramat enol	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Spirotetramat enol-glucoside	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Spirotetramat-keto-hydroxy	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Spirotetramat-mono-hydroxy	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Spiroxamine	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Streptomycin	Milk	308	308	0	0		0.1	0.02	Microbial Inhibition	MIT
Streptomycin sulfate salt	Milk	308	308	0	0		2.0**	2	Copan	IS
Sulfacetamide sodium salt	Milk	308	308	0	0		0.2**	0.2	Copan	IS
Sulfadiazine	Milk	308	308	0	0		0.1	0.05	Copan	IS
Sulfamethazine	Milk	308	308	0	0		0.1	0.1	Copan	IS
Sulfamethoxazole	Milk	308	308	0	0		0.1	0.05	Copan	IS
Sulfentrazone	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Sulfisazole	Milk	308	308	0	0		0.1	0.025	Copan	IS
Sulphadimethoxine	Milk	308	308	0	0		0.1	0.05	Copan	IS
Sulphadoxine	Milk	308	308	0	0		0.2**	0.2	Copan	IS
Sulphamerazine	Milk	308	308	0	0		0.1	0.1	Copan	IS

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Sulphapyridine	Milk	308	308	0	0		0.2**	0.2	Copan	IS
Sulprofos	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Tebuconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tebufenozide	Milk	308	308	0	0		0.02	0.01	LC-MS/MS	P
Tebufenpyrad	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tebuthiuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Tecnazene	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tefluthrin	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Temephos	Milk	308	308	0	0		0.1	0.005	LC-MS/MS	P
Tepraloxymid	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Terbacil	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Terbufos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Terbumeton	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Terbutylazine	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Terbutryn	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tetrachlorvinphos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tetraconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tetracycline	Milk	308	308	0	0		0.5**	0.5	Copan	IS
Tetracycline	Milk	308	308	0	0		0.1	0.05	ELISA	IS
Tetracycline	Milk	308	308	0	0		0.1	0.015	Microbial Inhibition	MIT
Tetradifon	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tetrahydrophthalimide	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Thenylchlor	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Thiabendazole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Thiacloprid	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Thiamethoxam	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Thiazopyr	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Thidiazuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Thiobencarb	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Thiometon	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tiadinil	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Tin	Milk	308	307	1	0	●	0.1	0.005	Acid digest/ICP MS	EL
Tolclofos-methyl	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tolyfluanid	Milk	308	308	0	0		0.01	0.01	LC-MS/MS	P
Tralkoxydim	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Transfluthrin	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Triadimefon	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Triadimenol	Milk	308	308	0	0		0.01	0.005	GC-MS/MS	P
Tri-allate	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Triasulfuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Triazophos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tribenuron-methyl	Milk	308	308	0	0		0.02	0.005	LC-MS/MS	P
Tribufos	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Trichlorfon	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Triclabendazole	Milk	157	157	0	0		0.01	0.017*	LC-MS/MS	B
Tricyclazole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Trifloxystrobin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Trifloxysulfuron-sodium	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Triflumizole	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Triflumuron	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Trifluralin	Milk	308	308	0	0		0.02	0.002	GC-MS/MS	P
Triflusulfuron-methyl	Milk	308	308	0	0		0.02	0.002	LC-MS/MS	P
Triforine	Milk	308	308	0	0		0.01	0.005	LC-MS/MS	P
Triticonazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Tylosin	Milk	308	308	0	0		0.05	0.011	Microbial Inhibition	MIT
Uniconazole	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Vamidothion	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P
Vinclozolin	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
XMC	Milk	308	308	0	0		0.01	0.002	GC-MS/MS	P
Zoxamide	Milk	308	308	0	0		0.01	0.002	LC-MS/MS	P

Notes

* No trace reported below the LoR by the laboratory

** Set at method LoR

*** Refer Appendix 1 for code

**** Action limit applies to p,p'-DDE and to the sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD) corrected to milk with 4% milkfat

● The amount reported did not exceed the action limit threshold

⊖ The test result was above the action limit

5.3 COLOSTRUM RESULTS – DETECTIONS

Table 5: Compounds detected in colostrum above reporting limits

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR mg/kg	Method	Code***
Ampicillin	Colostrum	10	8	4	0	●	0.004	0.0015	Microbial Inhibition	MIT
Cefalonium	Colostrum	10	9	1	1	⊖	0.02	0.008	Copan	IS
DDE (p,p) ****	Colostrum	10	5	5	0	●	0.02	0.002	GC-MS/MS	P
Cloxacillin sodium	Colostrum	10	8	2	0	●	0.03	0.015	Copan	IS

Notes

*** Refer Appendix 1 for code

**** Action limit applies to p,p'-DDE and to the sum of p,p'-DDT, o,p'-DDT, p,p'-DDE and p,p'-TDE (DDD), corrected to milk with 4% milkfat

● The amount reported did not exceed the action limit threshold

⊖ The test result was above the action limit

5.4 COLOSTRUM RESULTS – ALL

Table 6: All colostrum results

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
2-Phenylphenol	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Abamectin	Colostrum	10	10	0	0		0.005	0.002	HPLC-FL	ML
Abamectin	Colostrum	10	10	0	0		0.005	0.01*	LC-MS/MS	P
Acephate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Acetamidrid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Acetamidrid-N-desmethyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Acetochlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Acibenzolar-S-methyl	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Acrinathrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Aflatoxin-M1	Colostrum	10	10	0	0		0.05 (µg/kg)	0.01 (µg/kg)	ELISA	AF
AHD (Nitrofurantoin metabolite)	Colostrum	10	10	0	0		0.001	0.001	LC-MS/MS	N
Alachlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Alanycarb	Colostrum	10	10	0	0		0.05	0.002	LC-MS/MS	P
Albendazole	Colostrum	10	10	0	0		0.1	0.011	LC-MS/MS	B
Aldicarb	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Aldicarb sulfone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Aldicarb sulfoxide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Aldrin	Colostrum	10	10	0	0		0.006	0.002	GC-MS/MS	P
Allidochlor	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Ametoctradin	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Ametryn	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Amoxicillin	Colostrum	10	10	0	0		0.004	0.0015	Microbial Inhibition	MIT
AMOZ (Furaltadone metabolite)	Colostrum	10	10	0	0		0.001	0.001	LC-MS/MS	N
Ampicillin	Colostrum	10	6	4	0	●	0.004	0.0015	Microbial Inhibition	MIT
Anilofos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Anthraquinone	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
AOZ (Furazolidone metabolite)	Colostrum	10	10	0	0		0.001	0.001	LC-MS/MS	N
Arsenic	Colostrum	10	9	1	0	●	0.01	0.001	Wet oxidation/ICP MS	EL
Atrazine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Azaconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Azamethiphos	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Azinphos-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Azoxystrobin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Benalaxyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bendiocarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Benfluralin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Benodanil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Benoxacor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bensulfuron-methyl	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Bensulide	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Benzyltrimethylammonium chloride (BDM-C12)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
BHC (alpha)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
BHC (beta)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
BHC (delta)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bifenox	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bifenthrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bioresmethrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bismuth	Colostrum	10	7	3	0	•	No MRL required	0.001	Acid Digest/ICPMS	EL
Bitertanol	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Boscalid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Bromacil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bromobutide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bromophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bromophos-ethyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bromopropylate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bupirimate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Buprofezin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Butachlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Butafenacil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Butamifos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cadmium	Colostrum	10	10	0	0		0.1	0.0002	Acid digest/ICPMS	EL
Cadusafos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cafenstrole	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Carbaryl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Carbendazim	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Carbetamide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Carbofuran	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Carboxin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Carfentrazone-ethyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Carpropamid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Cefalexin	Colostrum	10	10	0	0		0.1	0.012	Microbial Inhibition	MIT
Cefalonium	Colostrum	10	9	1	1	⊖	0.02	0.008	Copan	IS
Cefapirin sodium	Colostrum	10	10	0	0		0.01	0.004	Copan	IS
Cefazolin	Colostrum	10	10	0	0		0.05	0.005	Copan	IS
Ceftiofur	Colostrum	10	10	0	0		0.01	0.008	Microbial Inhibition	MIT
Cefuroxime sodium	Colostrum	10	10	0	0		0.036**	0.036	Copan	IS
Chlorantraniliprole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Chlordane-cis	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlordane-trans	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlorfenapyr	Colostrum	10	10	0	0		0.02	0.005	GC-MS/MS	P
Chlorfenvinphos	Colostrum	10	10	0	0		0.1	0.002	GC-MS/MS	P
Chloridazon	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Chlorimuron-ethyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Chlorobenzilate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlorotetracycline hydrochloride	Colostrum	10	10	0	0		0.6**	0.6	Copan	IS
Chlorotoluron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Chlorpropham	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlorsulfuron	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Chlortetracycline	Colostrum	10	10	0	0		0.05	0.004	Microbial Inhibition	MIT
Chlorthal-dimethyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlorthiophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chlozolinate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chromafenozide	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Cinidon-ethyl	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Clethodim	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Clodinafop-propargyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Clofentezine	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Clomazone	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cloquintocet-mexyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Clothianidin	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Cloxacillin sodium	Colostrum	10	8	2	0	•	0.03	0.015	Copan	IS
Coumaphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Coumaphos oxon	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Crufomate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cyanazine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cyanophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cyantraniliprole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Cyanuric acid	Colostrum	10	10	0	0		0.26	0.1	LC-MS/MS	O
Cyazofamid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Cycloate	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Cyclosulfamuron	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Cyflufenamid	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Cyfluthrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cyhalofop-butyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Cyhalothrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cymoxanil	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Cypermethrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cyproconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cyprodinil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cyromazine	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Daimuron	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
DDD (o,p) ****	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
DDD (p,p) ****	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
DDE (o,p) ****	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
DDE (p,p) ****	Colostrum	10	5	5	0	•	0.02	0.002	GC-MS/MS	P
DDT (o,p) ****	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
DDT (p,p) ****	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Dellamethrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl sulfoxide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Desmedipham	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Diazinon	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Dichlobenil	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Dichlofenthion	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dichlofluanid	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Dichlorvos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Diclobutrazol	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Diclocymet	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Diclofop-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dicloran	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Diclosulam	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Dicloxacillin sodium salt hydrate	Colostrum	10	10	0	0		0.03	0.01	Copan	IS
Dicofol BP	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dicrotophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dicyclanil	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Dieldrin	Colostrum	10	10	0	0		0.006	0.002	GC-MS/MS	P
Diethofencarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Difenoconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Diflubenzuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Diflufenican	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dihydrostreptomycin	Colostrum	10	10	0	0		0.1	0.02	Microbial Inhibition	MIT
Dihydrostreptomycin sesquisulfate	Colostrum	10	10	0	0		2.0**	2	Copan	IS
Dimepiperate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dimethenamid	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Dimethoate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dimethomorph	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Dimethylditetradecylammonium chloride (DM-DC14)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
Dimethylvinphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dioxabenzofos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dioxathion	Colostrum	10	10	0	0		0.02	0.005	LC-MS/MS	P
Diphenamid	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Diphenylamine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Disulfoton	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Dithiopyr	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Diuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Doramectin	Colostrum	10	10	0	0		0.003	0.002	HPLC-FL	ML
Doxycycline hyclate	Colostrum	10	10	0	0		0.3**	0.3	Copan	IS
Edifenphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Emamectin benzoate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Endosulfan (alpha)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan (beta)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan sulfate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Endrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Endrin ketone	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
EPN	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Epoxiconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Eprinomectin	Colostrum	10	10	0	0		0.02	0.002	HPLC-FL	ML
EPTC	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Erythromycin	Colostrum	10	10	0	0		0.05	0.01	Microbial Inhibition	MIT
Esprocarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Ethalfuralin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Ethametsulfuron-methyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Ethiofencarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Ethion	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Ethiprole	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Ethofumesate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Ethoprophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Ethoxysulfuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Ethychlozate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Etobenzanid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Etoxazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Etridiazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Etrimfos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Famoxadone	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Famphur	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenamidone	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Fenamiphos	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenarimol	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenbendazole	Colostrum	10	10	0	0		0.01	0.017*	LC-MS/MS	B
Fenbuconazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenchlorphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenhexamid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenitrothion	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenobucarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenothiocarb	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenoxanil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenoxaprop	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Fenoxaprop-ethyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenoxycarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenpiclonil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenpropathrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenpropidin	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenpropimorph	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenpyroximate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fensulfothion	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenthion	Colostrum	10	10	0	0		0.05	0.002	GC-MS/MS	P
Fenthion oxon	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenthion oxon sulfone	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Fenthion oxon sulfoxide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenthion sulfone	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Fenthion sulfoxide	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Fenthion-ethyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fentrazamide	Colostrum	10	10	0	0		0.02	0.01	LC-MS/MS	P
Fenvalerate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Ferimzone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fipronil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fipronil sulfide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fipronil sulfone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Flamprop	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Flamprop-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Flazasulfuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fluacrypyrim	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fluzifop-P-butyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Flubendazole	Colostrum	10	10	0	0		0.01	0.009	LC-MS/MS	B

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Flubendazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Flubendiamide	Colostrum	10	10	0	0		0.02	0.02	LC-MS/MS	P
Flucythrinate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fludioxonil	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Flufenacet	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Flumethrin	Colostrum	10	10	0	0		0.01	0.005	GC-ECD	P
Flumiclorac-pentyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Flumioxazin	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Flunixin	Colostrum	10	10	0	0		0.002	0.0052*	GC-MS/MS	NS
Fluometuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fluopicolide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fluopyram	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fluquinconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fluridone	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Flusilazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fluthiacet-methyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Flutolanil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Flutriafol	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fluvalinate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fonofos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Forchlorfenuron	Colostrum	10	10	0	0		0.02	0.005	LC-MS/MS	P
Fosthiazate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fuberidazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Furalaxyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Furametypr	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Furathiocarb	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Halosulfuron-methyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Haloxypop-etotyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Haloxypop-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor endo-epoxide	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Heptachlor exo-epoxide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Heptenophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Hexachlorobenzene	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Hexaconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Hexadecylpyridinium ammonium chloride (C16-PY)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
Hexadecyltrimethylammonium chloride (TM-C16)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
Hexaflumuron	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Hexazinone	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Hexythiazox	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Imazalil	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Imazamethabenz-methyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Imazosulfuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Imidacloprid	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Imidacloprid-5-hydroxy	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Imidacloprid-olefin	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Inabenzide	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Indanofan	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Indoxacarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Iodofenphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Iodosulfuron-methyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Iprobenfos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Iprodione	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Iprovalicarb	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Isazofos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Isofenphos	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Isofenphos-methyl	Colostrum	10	10	0	0		0.02	0.005	LC-MS/MS	P
Isoprocab	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Isoprothiolane	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Isoproturon	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Isopyrazam	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Isoxathion	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Ivermectin	Colostrum	10	10	0	0		0.01	0.002	HPLC-FL	ML
Kanamycin	Colostrum	10	10	0	0		0.1	0.1	Microbial Inhibition	MIT
Karbutilate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Ketoprofen	Colostrum	10	10	0	0		0.002	0.0047*	GC-MS/MS	NS
Kresoxim-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Lactofen	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Lasalocid	Colostrum	10	10	0	0		0.005	0.015*	LC-MS/MS	PC
Lead	Colostrum	10	10	0	0		0.2	0.001	Wet oxidation/ICP MS	EL
Lenacil	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Leptophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Levamisole	Colostrum	10	10	0	0		0.1	0.012	LC-MS/MS	B
Lindane (γ-HCH)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Linuron	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Maduramicin	Colostrum	10	10	0	0		0.022	0.067*	LC-MS/MS	PC
Malathion	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Mandipropamid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Mebendazole	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	B
Mefenacet	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Mefenpyr-diethyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Melamine	Colostrum	10	10	0	0		0.27	0.1	LC-MS/MS	O
Mepanipyrim	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Mepronil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Mercury-(total)	Colostrum	10	10	0	0		0.001	0.001	Acid digest/ICPMS	EL
Mesotrione	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Metalaxyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Metamitron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Metconazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Methabenzthiazuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Methacrifos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Methamidophos	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Methidathion	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb sulfone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Methiocarb sulfoxide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Methomyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Methoxychlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Methoxyfenozide	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Metobromuron	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Metolachlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Metominostrobin (E)	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Metominostrobin (Z)	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Metosulam	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Metrafenone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Metribuzin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Metsulfuron-methyl	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Mevinphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Mirex	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Molinate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Monensin	Colostrum	10	10	0	0		0.002	0.009*	LC-MS/MS	PC
Monocrotophos	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Monolinuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Moxidectin	Colostrum	10	10	0	0		0.04	0.002	HPLC-FL	ML
Myclobutanil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Nafcillin sodium salt monohydrate	Colostrum	10	10	0	0		0.03	0.004	Copan	IS
Napropamide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Narasin	Colostrum	10	10	0	0		0.006	0.017*	LC-MS/MS	PC
N-benzyltrimethyldecylammonium chloride (BDM-C10)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
N-benzyltrimethylhexadecylammonium chloride (BDM-C16)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethyloctadecylammonium chloride (BDM-C18)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethyltetradecylammonium chloride (BDM-C14)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyltrimethylammonium chloride (DM-DC10)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyltrimethylammonium chloride (DM-DC12)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
Neomycin	Colostrum	10	10	0	0		1.6**	1.6	Copan	IS
Nitrofen	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Nitrothal-isopropyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Norflurazon	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Novaluron	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Octhilnone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Oleandomycin	Colostrum	10	10	0	0		0.1	0.05	Microbial Inhibition	MIT
Omethoate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Oryzalin	Colostrum	10	10	0	0		0.02	0.01	LC-MS/MS	P
Oxabetrinil	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Oxadiazon	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Oxadixyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Oxamyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Oxycarboxin	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Oxychlorane	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Oxyfluorfen	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Oxytetracycline	Colostrum	10	10	0	0		0.1	0.015	Microbial Inhibition	MIT
Oxytetracycline dihydrate	Colostrum	10	10	0	0		0.5**	0.5	Copan	IS
Paclobutrazol	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Parathion	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Parathion-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Penconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pencycuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Pendimethalin	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Penicillin G	Colostrum	10	10	0	0		0.002	0.002	Copan	IS
Penicillin G	Colostrum	10	10	0	0		0.004	0.0004	Microbial Inhibition	MIT
Pentachlorobenzene	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Penthiopyrad	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Permethrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Perthan	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Phenmedipham	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Phenthoate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Phenylbutazone	Colostrum	10	10	0	0		0.002	0.007*	GC-MS/MS	NS

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Phorate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfone	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfoxide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Phosalone	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Phosmet	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Phosphamidon	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Phoxim	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Picolinafen	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Piperonyl butoxide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Piperophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pirimicarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pirimiphos-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pretilachlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Prochloraz	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Procymidone	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Profenofos	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Promecarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Prometryn	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Propachlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Propamocarb	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Propanil	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Propaphos	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Propaquizafop	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Propargite	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Propazine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Propetamphos	Colostrum	10	10	0	0		0.1	0.002	GC-MS/MS	P
Propham	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Propiconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Propoxur	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Propyzamide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Proquinazid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Prosulfocarb	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Prothiofos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pymetrozine	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Pyraclufos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyraclostrobin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyraflufen-ethyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyrasulfotole	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Pyrazophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyrethrins	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Pyributicarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyridaben	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyridaphenthion	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyrifenox	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Pyriftalid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Pyrimethanil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyrimidifen	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (E)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (Z)	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyriproxyfen	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Pyroquilon	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Pyroxsulam	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Quinalphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Quinoclamine	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Quinoxifen	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Quintozene	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Quizalofop-ethyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Rimsulfuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Saflufenacil	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Salinomycin	Colostrum	10	10	0	0		0.003	0.009*	LC-MS/MS	PC
Sebuthylazine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
SEM (Nitrofurazone metabolite)	Colostrum	10	10	0	0		0.001	0.001	LC-MS/MS	N
Semduramycin	Colostrum	10	10	0	0		0.02	0.06*	LC-MS/MS	PC
Sethoxydim	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Simazine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Simeconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Simetryn	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Spinetoram	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Spinosad	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Spiromesifen	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Spiromesifen enol	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Spiromycin	Colostrum	10	10	0	0		0.1	0.04	Microbial Inhibition	MIT
Spirotetramat	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Spirotetramat enol	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Spirotetramat enol-glucoside	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Spirotetramat-keto-hydroxy	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Spirotetramat-mono-hydroxy	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Spiroxamine	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Streptomycin	Colostrum	10	10	0	0		0.1	0.02	Microbial Inhibition	MIT
Streptomycin sulfate salt	Colostrum	10	10	0	0		2.0**	2	Copan	IS

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Sulfacetamide sodium salt	Colostrum	10	10	0	0		0.2**	0.2	Copan	IS
Sulfadiazine	Colostrum	10	10	0	0		0.1	0.05	Copan	IS
Sulfamethazine	Colostrum	10	10	0	0		0.1	0.1	Copan	IS
Sulfamethoxazole	Colostrum	10	10	0	0		0.1	0.05	Copan	IS
Sulfentrazone	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Sulfisazole	Colostrum	10	10	0	0		0.1	0.025	Copan	IS
Sulphadimethoxine	Colostrum	10	10	0	0		0.1	0.05	Copan	IS
Sulphadoxine	Colostrum	10	10	0	0		0.2**	0.2	Copan	IS
Sulphamerazine	Colostrum	10	10	0	0		0.1	0.1	Copan	IS
Sulphapyridine	Colostrum	10	10	0	0		0.2**	0.2	Copan	IS
Sulprofos	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Tebuconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tebufenozide	Colostrum	10	10	0	0		0.02	0.01	LC-MS/MS	P
Tebufenpyrad	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tebuthiuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Tecnazene	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tefluthrin	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Temephos	Colostrum	10	10	0	0		0.1	0.005	LC-MS/MS	P
Tepraloxymid	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Terbacil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Terbufos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Terbumeton	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Terbutylazine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Terbutryn	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tetrachlorvinphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tetraconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tetracycline	Colostrum	10	10	0	0		0.5**	0.5	Copan	IS
Tetracycline	Colostrum	10	10	0	0		0.1	0.05	ELISA	IS
Tetracycline	Colostrum	10	10	0	0		0.1	0.015	Microbial Inhibition	MIT
Tetradifon	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tetrahydrophthalimide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Thenylchlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Thiabendazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Thiacloprid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Thiamethoxam	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Thiazopyr	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Thidiazuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Thiobencarb	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Thiometon	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tiadinil	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/kg	LoR	Method	Code***
Tin	Colostrum	10	10	0	0		0.1	0.005	Acid digest/ICPMS	EL
Tolclofos-methyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tolyfluanid	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Traloxymid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Transfluthrin	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Triadimefon	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Triadimenol	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Tri-allate	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Triasulfuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Triazophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tribenuron-methyl	Colostrum	10	10	0	0		0.02	0.005	LC-MS/MS	P
Tribufos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Trichlorfon	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Triclabendazole	Colostrum	10	10	0	0		0.01	0.017*	LC-MS/MS	B
Tricyclazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Trifloxystrobin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Trifloxysulfuron-sodium	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Triflumizole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Triflumuron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Trifluralin	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Triflusulfuron-methyl	Colostrum	10	10	0	0		0.02	0.002	LC-MS/MS	P
Triforine	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Triticonazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tylosin	Colostrum	10	10	0	0		0.05	0.011	Microbial Inhibition	MIT
Uniconazole	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Vamidothion	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Vinclozolin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
XMC	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Zoxamide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P

Notes

* No trace reported below the LoR by the laboratory

** Set at method LoR

*** Refer Appendix 1 for code

● The amount reported did not exceed the action limit threshold

⊖ The test result was above the action limit

5.5 MILK INTEGRITY

Table 7: Raw milk and colostrum milk integrity results

Compound	Matrix	Samples tested	Not detected	Present at or within expected limits	Present outside expected limits	Flag	Expected limit	Min	Max	Method	Code
Aluminium	Milk	308	253	55	3	●	max. 1.0 mg/kg	n.d.	5	Acid digest/ICPMS	EL
Aluminium	Colostrum	10	6	4	0		max. 0.25 mg/kg	n.d.	0.2375	Acid digest/ICPMS	EL

Compound	Matrix	Samples tested	Not detected	Present at or within expected limits	Present outside expected limits	Flag	Expected limit	Min	Max	Method	Code
Boron	Milk	308	14	294	0		max. 1.0 mg/kg	n.d.	1.25	Acid digest/ICPMS	EL
Boron	Colostrum	10	5	5	0		max. 1 mg/kg	n.d.	0.3405	Acid digest/ICPMS	EL
Chromium	Milk	308	305	3	0		max. 0.2 mg/kg	n.d.	0.008	Acid digest/ICPMS	EL
Chromium	Colostrum	10	10	0	0		max. 0.2 mg/kg	n.d.	n.d.	Acid digest/ICPMS	EL
Cobalt	Milk	308	308	0	0		max. 0.1 mg/kg	n.d.	nd.	Acid digest/ICPMS	EL
Cobalt	Colostrum	10	9	1	0		max. 0.1 mg/kg	n.d.	0.0023	Acid digest/ICPMS	EL
Copper	Milk	308	0	308	4	●	max. 0.15 mg/kg	n.d.	0.2572	Acid digest/ICPMS	EL
Copper	Colostrum	10	0	10	0		max. 0.15 mg/kg	0.0344	0.143	Acid digest/ICPMS	EL
Iodine	Milk	308	0	308	0		max. 1.5 mg/kg	n.d.	0.5596	TMAH Digestion/ICPMS	EL
Iodine	Colostrum	10	0	10	0		max. 1.5 mg/kg	0.0042	0.1201	TMAH Digestion/ICPMS	EL
Iron	Milk	308	300	8	0		max. 5.0 mg/kg	n.d.	2.3	Acid digest/ICPMS	EL
Iron	Colostrum	10	6	4	0		max. 10 mg/kg	n.d.	1.0072	Acid digest/ICPMS	EL
Selenium	Milk	308	19	289	0		max. 2.0 mg/kg	n.d.	0.1198	Acid digest/ICPMS	EL
Selenium	Colostrum	10	0	10	0		max. 2 mg/kg	0.0028	0.0584	Acid digest/ICPMS	EL
Urea	Milk	308	0	308	2		min. 7.0 and max. 70 mg/dL	5.9	57.2	FTIR	MC
Zinc	Milk	308	0	308	0		max. 10 mg/kg	2.946	7.7993	Acid digest/ICPMS	EL
Zinc	Colostrum	10	0	10	0		max. 25 mg/kg	1.5248	17.1058	Acid digest/ICPMS	EL
IgG1	Colostrum	10	0	1	9		min. 2.0 g/L	1.9	15.48	ELISA	MC
Sodium Thiocyanate	Milk	60	5	55	0		max. 20 mg/kg	n.d.	13	HPLC-UV	O
Total		3942	1620	2313	19						

Notes

n.d. Refers to not detected at the test methods limit of detection or outside the calibration range for the component

- Results outside the expected limit or range of expected limits

6 Appendices

6.1 CODE AND METHOD INFORMATION

Table 8: Test method descriptions

Method	Description
Copan	Antimicrobial screening test using Copan Milk Test
ELISA	Enzyme-linked immunosorbent assay
GC-ECD	Gas chromatography – electron capture detection
GC-MS/MS	Gas chromatography - mass spectrometry
HPLC	High-performance liquid chromatography
HPLC-FL	High-performance liquid chromatography with fluorescence detection
HPLC-UV	High-performance liquid chromatography with ultraviolet detection
ICPMS	Inductively coupled plasma mass spectrometer
LC-MS/MS	Liquid chromatography tandem mass spectrometry
Microbial Inhibition	Screen test using 4-plate microbial inhibition test (plate bioassay)

Table 9: Compound and compound group codes

Code	Compound or compound group
A6	An 'unauthorised substance' as listed in Annex 1, Group A (6) of Directive 96/23/EC
AF	Aflatoxins
B	Benzimidazoles
C	Dicyandiamide (DCD)
D	Dexamethasone
EL	Chemical element
IS	Inhibitory substance
ML	Macrocyclic lactones
N	Nitrofurans
NS	Nonsteroidal anti-inflammatory drugs (NSAIDs)
O	Other - cyanuric acid, melamine, glyphosate, 1080, sodium thiocyanate
P	Pesticides
PC	Polyether coccidiostats
Pht	Phthalates
QAC	Quaternary ammonium compounds

6.2 SUMMARY OF YEAR ON YEAR TESTING

Table 10: Summary of samples tested and overall rate of detections by year

Season	No. milk samples	No. colostrum samples	Overall rate of detections
2016/17	308	10	0.15%
2015/16	306	10	0.10%
2014/15	311	11	0.05%
2013/14	311	28	0.07%
2012/13	317	29	0.07%
2011/12	303	47	0.06%
2010/11	329	40	0.08%
2009/10	321	40	0.13%

Figure 1: Summary of overall rate of detections by year

