

National Chemical Contaminants Programme

Raw Milk Results Summary (July 2017 to June 2018)

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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 2017/2018 dairy season, spanning the period 1 July 2017 to 30 June 2018, and tested for a range of residues and contaminants.

The purpose of the NCCP is to:

- determine whether 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 maximum residue levels (MRLs), confirming that the programme's objective is being met and the rate of non-conformance for the compounds monitored remains below 1%.

2 NCCP Sampling and Testing

2.1 WHAT WE TESTED

- 305 raw milk samples were collected over 7 sampling rounds across the period 1 July 2017 to 30 June 2018 (308 milk samples in 2016/17); and
- 1 targeted colostrum round of 10 samples across the period 1 July 2017 to 30 June 2018 (10 in 2016/17).

All the randomly allocated 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 and biocides
- Pesticides
 - Insecticides
 - Herbicides
 - Fungicides
- Veterinary medicines
 - Antibiotics
 - Anthelmintics
 - NSAIDS
- Other compounds such as withdrawn compounds or those not permitted for food producing animals

In total, 164,765 individual test results (excluding the milk integrity results) were obtained for 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 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 have been set, the action limit is typically 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 actions limits are set to identify unexpected levels that warrant further investigation. While unexpected levels will often be due to natural influences, the investigation aids MPI's 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 159,355 individual test results for raw milk (excluding colostrum), there were 211 reported detections (0.13%) above the agreed method reporting limit. Four results were above the action limit (0.0025%):

- 1 detection of cyanuric acid (0.11 mg/kg) above the action limit of 0.1 mg/kg;
- 3 detections of bismuth (0.58 to 0.93 mg/kg) above the action limit of 0.5 mg/kg.

There were no results from the testing of agricultural compounds including veterinary medicines that exceeded New Zealand MRLs, confirming that the programmes objective is being met and the rate of non-conformance for the compounds monitored remains below 1%.

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

3.2 COLOSTRUM

Of the 5,410 individual test results for colostrum, there were 34 reported detections (0.63%) above the agreed method reporting limit. Three results were above the action limit (0.055%):

- 2 detections of temephos (0.023 and 0.034 mg/kg) above the action limit of 0.01 mg/kg;
- 1 detection of bismuth (0.59 mg/kg) above the action limit of 0.5 mg/kg.

There were no results from the testing of agricultural compounds including veterinary medicines that exceeded New Zealand MRLs, confirming that the programmes objective is being met and the rate of non-conformance for the compounds monitored remains below 1%.

The detections 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 samples 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 (mg/kg)	Method	Code***
Bismuth	Milk	305	188	117	3	☞	0.5	0.001	Acid Digest/ICP-MS	EL
Bismuth	Colostrum	10	5	5	1	☞	0.5	0.001	Acid Digest/ICP-MS	EL
Cyanuric Acid	Milk	59	58	1	1	☞	0.1	0.1	LC-MS/MS	O
Temephos	Colostrum	10	8	2	2	☞	0.01	0.005	LC-MS/MS	P

Notes

*** Refer to Table 9 for code

☞ The test result was above the action limit

3.3.1 Bismuth

In New Zealand bismuth is exempt from an MRL when used as a teat sealant.

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.

Findings above the action limit in milk indicates that farm dairy operators are either not administering teat sealant products correctly, with the sealant is moving beyond the teat canal, or the teat sealant is not being effectively stripped at the first milking after calving. While this is not of concern to food safety, MPI will none-the-less look at opportunities to promote good practice.

Because of its nature and the levels of bismuth found, these findings are not considered to be of any concern to public health and further investigation was not necessary. MPI will review the action limit for bismuth.

3.3.2 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 cow milk sample was found with a cyanuric acid level at 0.11 mg/kg. The action limit for this compound is at 0.10 mg/kg. The investigation found that the levels of cyanuric acid in raw milk likely resulted from the farm operator not rinsing the plant following an alkali wash and was not linked to any form of milk or feed adulteration.

3.3.3 Temephos

Temephos is an organophosphate compound registered in New Zealand for the treatment of lice on cattle and non-lactating dairy animals. The detections in two colostrum samples is not unexpected and below any level that would be of concern in milk or dairy products.

3.4 OTHER DETECTIONS BELOW ACTION LIMITS

Table 2: Compounds detected in raw milk and colostrum samples 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***
Ampicillin	Colostrum	5	2	3	0	●	0.004	0.00061	LC-MS/MS*	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***
Arsenic	Milk	305	284	21	0	●	0.01	0.001	TMAH Digestion/ICP-MS	EL
Arsenic	Colostrum	10	2	8	0	●	0.01	0.001	Wet Oxidation/ICP-MS	EL
Benzyltrimethylammonium chloride (BDM-C12)	Colostrum	10	9	1	0	●	0.1	0.01	LC-MS/MS	QAC
Bis(2-ethylhexyl) adipate (DEHA)	Milk	59	58	1	0	●	1	0.1	GC-MS/MS	Pht
Cephalonium	Colostrum	5	4	1	0	●	0.02	0.0013	LC-MS/MS*	IS
DDE (p,p')****	Milk	305	267	38	0	●	0.02	0.002	GC-MS/MS	P
DDE (p,p')****	Colostrum	10	6	4	0	●	0.02	0.002	GC-MS/MS	P
Diethyl phthalate (DEP)	Milk	59	58	1	0	●	1	0.1	GC-MS/MS	Pht
Diphenylamine	Milk	305	300	5	0	●	0.01	0.002	GC-MS/MS	P
Diphenylamine	Colostrum	10	8	2	0	●	0.01	0.002	GC-MS/MS	P
Lead	Milk	305	287	18	0	●	0.02	0.001	Wet Oxidation/ICP-MS	EL
Lead	Colostrum	10	2	8	0	●	0.02	0.001	Wet Oxidation/ICP-MS	EL
Tin	Milk	305	297	8	0	●	0.1	0.005	Acid Digest/ICP-MS	EL

Notes

*** Refer to Table 9 for code

● The amount reported did not exceed the action limit threshold

**** 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

* Confirmatory testing following presumptive positive result

3.4.1 Inhibitory substances

Ampicillin was detected in three colostrum samples and cephalonium was detected in one colostrum sample. In none of these instances was the action limit exceeded. These compounds are commonly found in dry cow therapies so low level detections are not unexpected in colostrum.

3.4.2 Chemical elements

Arsenic, lead and tin were reported in milk and colostrum. 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 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, (discontinued) lead paints and discarded batteries. 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.

3.4.3 Pesticides

Diphenylamine was detected in five milk samples and two colostrum samples. Diphenylamine may be used in rubberware as well as being associated with some dyes. All detections were below the action limit. Never-the-less, MPI is working with industry to identify likely sources and minimise exposure to milk or milking animals.

DDE (p,p') was detected in 38 milk samples and four colostrum samples. All detections were 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.

3.4.4 Phthalates

Bis(2-ethylhexy) adipate (DEHA) was reported in one milk sample and diethyl phthalate (DEP) was reported in one milk sample. The reported levels did not exceed action limits. DEHA is not a phthalate of high concern and its action limit has been established based on levels of the compound reasonably expected to be found in milk or dairy products. DEHA has replaced DEHP in some food contact materials (such as milking cup liners). DEP is a phthalate ester that is ubiquitous in the environment. DEP is mainly used as a plasticiser, solvent and in cosmetics and insecticides. Low level detections of DEHA and DEP are not unexpected.

3.4.5 Quaternary Ammonium Compounds (QACs)

Benzyltrimethylammonium chloride (BDM-C12) was reported in one colostrum sample. The reported level did not exceed the action limit. QACs are widely used as surfactants and disinfectants though use within the dairy industry has reduced significantly over recent years. Several products are approved for sanitising dairy equipment, including use at farm dairies. All dairy maintenance compounds containing QACs have been approved in New Zealand with the condition that milk contact surfaces are to be rinsed after use.

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);
- the testing by industry required by MPI under the risk management programmes; and
- industry monitoring for chemical residues or contaminants determined to be necessary when applying Codex HACCP Principles.

These additional data 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)¹. 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 2017/2018 year was 0.15%. This is within the range of the overall rate of detections reported in previous years (Figure 1).

5 Results Tables

5.1 RAW MILK RESULTS – DETECTIONS

¹ Codex Alimentarius Commission Procedural Manual

Table 3: Compounds detected in raw milk samples 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***
Arsenic	Milk	305	284	21	0	●	0.01	0.001	TMAH Digestion/ICP-MS	EL
Bis(2-ethylhexyl) adipate (DEHA)	Milk	59	58	1	0	●	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	305	188	117	3	⊖	0.5	0.001	Acid Digest/ICP-MS	EL
Cyanuric Acid	Milk	59	58	1	1	⊖	0.1	0.1	LC-MS/MS	O
DDE (p,p')****	Milk	305	267	38	0	●	0.02	0.002	GC-MS/MS	P
Diethyl phthalate (DEP)	Milk	59	58	1	0	●	1	0.1	GC-MS/MS	Pht
Diphenylamine	Milk	305	300	5	0	●	0.01	0.002	GC-MS/MS	P
Lead	Milk	305	287	18	0	●	0.02	0.001	Wet Oxidation/ICP-MS	EL
Tin	Milk	305	297	8	0	●	0.1	0.005	Acid Digest/ICP-MS	EL

Notes

*** Refer to Table 9 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 samples 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	305	305	0	0		0.01	0.002	GC-MS/MS	P
Abamectin	Milk	245	245	0	0		0.002	0.002	LC-MS/MS	P
Abamectin	Milk	154	154	0	0		0.003	0.003	LC-MS/MS	AN
Acephate	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Acetamiprid	Milk	305	305	0	0		0.1	0.002	LC-MS/MS	P
Acetamiprid-N-desmethyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Acetochlor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Acibenzolar-S-methyl	Milk	212	212	0	0		0.01	0.005	LC-MS/MS	P
Acrinathrin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Aflatoxin-M1	Milk	59	59	0	0		0.05 µg/kg	0.018 µg/kg	HPLC	AF
Aflatoxin-M1	Milk	305	305	0	0		0.05 µg/kg	0.005 µg/kg	LC-MS/MS	AF
AHD (Nitrofurantoin)	Milk	305	305	0	0		0.0003	0.0003	LC-MS/MS	N
Alachlor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Alarycarb	Milk	290	290	0	0		0.01	0.002	LC-MS/MS	P
Albendazole	Milk	154	154	0	0		0.1	0.001	LC-MS/MS	AN

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Albendazole sulfone	Milk	154	154	0	0		0.1	0.001	LC-MS/MS	AN
Albendazole sulfone 2-amino	Milk	154	154	0	0		0.1	0.004	LC-MS/MS	AN
Albendazole sulfoxide	Milk	154	154	0	0		0.1	0.001	LC-MS/MS	AN
Aldicarb	Milk	291	291	0	0		0.01	0.01	LC-MS/MS	P
Aldicarb sulfone	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Aldicarb sulfoxide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Aldrin	Milk	305	305	0	0		0.006	0.002	GC-MS/MS	P
Allidochlor	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Ametoctradin	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Ametryn	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Amoxicillin	Milk	305	305	0	0		0.004	0.0015	MIT	IS
AMOZ (Furaltadone)	Milk	305	305	0	0		0.0001	0.0001	LC-MS/MS	N
Ampicillin	Milk	305	305	0	0		0.004	0.002	Delvotest T*	IS
Ampicillin	Milk	305	305	0	0		0.004	0.0015	MIT	IS
Anilofos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Anthraquinone	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
AOZ (Furazolidone)	Milk	305	305	0	0		0.0001	0.0001	LC-MS/MS	N
Arsenic	Milk	305	284	21	0	●	0.01	0.001	TMAH Digestion/ICP-MS	EL
Atrazine	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Azaconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Azamethiphos	Milk	286	286	0	0		0.01	0.002	LC-MS/MS	P
Azinphos-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Azoxystrobin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Benalaxyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bendiocarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Benfluralin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Benodanil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Benoxacor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bensulfuron-methyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Bensulide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Benzyl butyl phthalate (BBP)	Milk	59	59	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
Betamethasone	Milk	27	27	0	0		0.0003	0.0003	LC-MS/MS	D
BHC (alpha)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
BHC (beta)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
BHC (delta)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bifenoxy	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bifenthrin	Milk	305	305	0	0		0.1	0.002	GC-MS/MS	P
Bioresmethrin	Milk	305	305	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***
Bis(2-ethylhexyl) phthalate (DEHP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Bis(2-ethylhexyl) adipate (DEHA)	Milk	59	58	1	0	●	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	305	188	117	3	⊖	0.5	0.001	Acid Digest/ICP-MS	EL
Bitertanol	Milk	305	305	0	0		0.05	0.002	GC-MS/MS	P
Boscalid	Milk	305	305	0	0		0.02	0.002	LC-MS/MS	P
Bromacil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bromobutide	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bromophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bromophos-ethyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bromopropylate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Bupirimate	Milk	305	305	0	0		0.05	0.002	GC-MS/MS	P
Buprofezin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Butachlor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Butafenacil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Butamifos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cadmium	Milk	305	305	0	0		0.1	0.0002	Acid digest/ICP-MS	EL
Cadusafos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cafenstrole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Carbaryl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Carbendazim	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Carbetamide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Carbofuran*	Milk	305	305	0	0		0.001	0.002	GC-MS/MS	P
Carboxin	Milk	289	289	0	0		0.01	0.002	GC-MS/MS	P
Carfentrazone-ethyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Carpropamid	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Ceftiofur	Milk	305	305	0	0		0.1	0.008	MIT	IS
Cephalexin	Milk	305	305	0	0		0.1	0.012	MIT	IS
Cephalonium	Milk	305	305	0	0		0.02	0.008	MIT	IS
Cephalonium	Milk	305	305	0	0		0.02	0.02	Delvotest T*	IS
Cephuroxime	Milk	305	305	0	0		0.1	0.016	MIT	IS
Chloramphenicol	Milk	305	305	0	0		0.0001	0.0001	LC-MS/MS	A6
Chlorantraniliprole	Milk	305	305	0	0		0.05	0.002	LC-MS/MS	P
Chlordane-cis	Milk	305	305	0	0		0.002	0.002	GC-MS/MS	P
Chlordane-trans	Milk	305	305	0	0		0.002	0.002	GC-MS/MS	P
Chlorfenapyr	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Chlorfenvinphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Chloridazon	Milk	305	305	0	0		0.1	0.002	LC-MS/MS	P
Chlorimuron-ethyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Chlorobenzilate	Milk	305	305	0	0		0.1	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***
Chlorotoluron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Chlorpropham	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Chlorsulfuron	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Chlortetracycline	Milk	305	305	0	0		0.01	0.004	MIT	IS
Chlorthal-dimethyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Chlorthiophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Chlozolate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Chromafenozide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Cinidon-ethyl	Milk	290	290	0	0		0.01	0.005	LC-MS/MS	P
Clethodim	Milk	271	271	0	0		0.01	0.002	LC-MS/MS	P
Clodinafop-propargyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Clofentezine	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Clomazone	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cloquintocet-mexyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Clothianidin	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Cloxacillin	Milk	305	305	0	0		0.015	0.015	Delvotest T*	IS
Coumaphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Coumaphos oxon	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Crufomate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyanazine	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyanophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyantraniliprole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Cyanuric acid	Milk	59	58	1	1	⚠	0.1	0.1	LC-MS/MS	O
Cyazofamid	Milk	286	286	0	0		0.01	0.002	LC-MS/MS	P
Cycloate	Milk	208	208	0	0		0.01	0.005	LC-MS/MS	P
Cyclosulfamuron	Milk	291	291	0	0		0.01	0.002	LC-MS/MS	P
Cyflufenamid	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Cyfluthrin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyhalofop-butyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyhalothrin	Milk	240	240	0	0		0.05	0.002	GC-MS/MS	P
Cymoxanil	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Cypermethrin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyproconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyprodinil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Cyromazine	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Daimuron	Milk	154	154	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***
DDD (o,p') ****	Milk	305	305	0	0		0.02	0.002	GC-MS/MS	P
DDD (p,p') ****	Milk	305	305	0	0		0.02	0.002	GC-MS/MS	P
DDE (o,p') ****	Milk	305	305	0	0		0.02	0.002	GC-MS/MS	P
DDE (p,p') ****	Milk	305	267	38	0	●	0.02	0.002	GC-MS/MS	P
DDT (o,p') ****	Milk	305	305	0	0		0.02	0.002	GC-MS/MS	P
DDT (p,p') ****	Milk	305	305	0	0		0.02	0.002	GC-MS/MS	P
Deltamethrin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl sulfoxide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Desmedipham	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Dexamethasone	Milk	60	60	0	0		0.0003	0.0003	LC-MS/MS	D
Diazinon	Milk	305	305	0	0		0.02	0.002	GC-MS/MS	P
Dichlobenil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dichlofenthion	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dichlofluanid	Milk	305	305	0	0		0.01	0.01	LC-MS/MS	P
Dichlorobenzophenone (Dicofof-BP)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dichlorvos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Diclobutrazol	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Diclocymet	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Diclofop-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dicloran	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Diclosulam	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Dicrotophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dicyandiamide (DCD)	Milk	59	59	0	0		0.1	0.05	LC-MS/MS	C
Dicyclanil	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Didecyl phthalate (DDP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Dieldrin	Milk	305	305	0	0		0.006	0.002	GC-MS/MS	P
Diethofencarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Diethyl phthalate (DEP)	Milk	59	58	1	0	●	1	0.1	GC-MS/MS	Pht
Difenoconazole	Milk	305	305	0	0		0.005	0.002	GC-MS/MS	P
Diffubenzuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Diffufenican	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dihexyl phthalate (DHXP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Dihydrostreptomycin	Milk	305	305	0	0		0.02	0.02	MIT	IS
Diisobutyl phthalate (DIBP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Diisodecyl phthalate (DIDP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Diisononyl-phthalate (DINP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Diisopropyl phthalate (DIP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Dimepiperate	Milk	305	305	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***
Dimethenamid	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dimethoate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dimethomorph	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Dimethyl phthalate (DMP)	Milk	59	59	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
Dimethylvinphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Di-n-butyl phthalate (DBP)	Milk	59	59	0	0		0.3	0.1	GC-MS/MS	Pht
Di-n-heptyl phthalate (DNHP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Di-n-octyl phthalate (DNOP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Di-n-pentyl phthalate (DNPP)	Milk	59	59	0	0		1	0.1	GC-MS/MS	Pht
Dioxabenzofos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dioxathion	Milk	230	230	0	0		0.01	0.005	LC-MS/MS	P
Diphenamid	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Diphenylamine	Milk	305	300	5	0	●	0.01	0.002	GC-MS/MS	P
Disulfoton	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Dithiopyr	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Diuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Doramectin	Milk	154	154	0	0		0.003	0.003	LC-MS/MS	AN
Edifenphos	Milk	294	294	0	0		0.01	0.002	GC-MS/MS	P
Emamectin benzoate	Milk	291	291	0	0		0.002	0.002	LC-MS/MS	P
Endosulfan (alpha)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan (beta)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan sulfate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Endrin	Milk	305	305	0	0		0.002	0.002	GC-MS/MS	P
Endrin ketone	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
EPN	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Epoxiconazole	Milk	305	305	0	0		0.002	0.002	GC-MS/MS	P
Eprinomectin	Milk	154	154	0	0		0.02	0.003	LC-MS/MS	AN
EPTC	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Erythromycin	Milk	305	305	0	0		0.01	0.01	MIT	IS
Esprocarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Ethalfuralin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Ethametsulfuron-methyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Ethiofencarb	Milk	289	289	0	0		0.01	0.002	GC-MS/MS	P
Ethion	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Ethiprole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Ethofumesate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Ethoprophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Ethoxyquin	Milk	274	274	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***
Ethoxysulfuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Ethychlozate	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Etobenzanid	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Etiozazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Etridiazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Etrifos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Famoxadone	Milk	305	305	0	0		0.03	0.01	LC-MS/MS	P
Famphur	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenamidone	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fenamiphos	Milk	305	305	0	0		0.002	0.002	LC-MS/MS	P
Fenarimol	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenbendazole	Milk	154	154	0	0		0.01	0.001	LC-MS/MS	AN
Fenbendazole sulfone	Milk	154	154	0	0		0.01	0.001	LC-MS/MS	AN
Fenbendazole sulfoxide	Milk	154	154	0	0		0.01	0.001	LC-MS/MS	AN
Fenbuconazole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fenchlorphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenhexamid	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fenitrothion	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenobucarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenothiocarb	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fenoxanil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenoxaprop	Milk	304	304	0	0		0.01	0.005	LC-MS/MS	P
Fenoxaprop-ethyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenoxycarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenpiclonil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenpropadin	Milk	278	278	0	0		0.005	0.002	LC-MS/MS	P
Fenpropathrin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenpropimorph	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenpyroximate	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fensulfothion	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenthion	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenthion oxon	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fenthion oxon sulfone	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Fenthion oxon sulfoxide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fenthion sulfone	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenthion sulfoxide	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fenthion-ethyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fentrazamide	Milk	305	305	0	0		0.01	0.01	LC-MS/MS	P
Fenvalerate	Milk	304	304	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***
Ferimzone	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fipronil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fipronil sulfide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fipronil sulfone	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Flamprop	Milk	289	289	0	0		0.01	0.002	LC-MS/MS	P
Flamprop-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Flazasulfuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Florfenicol	Milk	305	305	0	0		0.0007	0.0007	LC-MS/MS	O
Fluacrypyrim	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fluazifop-P-butyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Flubendazole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Flubendazole	Milk	154	154	0	0		0.1	0.001	LC-MS/MS	AN
Flubendazole amine	Milk	154	154	0	0		0.1	0.002	LC-MS/MS	AN
Flubendiamide	Milk	305	305	0	0		0.1	0.02	LC-MS/MS	P
Flucythrinate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fludioxonil	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Flufenacet	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Flumethrin	Milk	305	305	0	0		0.03	0.005	GC-ECD	P
Flumiclorac-pentyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Flumioxazin	Milk	304	304	0	0		0.01	0.005	GC-MS/MS	P
Flunixin	Milk	154	154	0	0		0.04	0.0052	GC-MS/MS	NS
Fluometuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Fluopicolide	Milk	305	305	0	0		0.02	0.002	GC-MS/MS	P
Fluopyram	Milk	305	305	0	0		0.3	0.002	LC-MS/MS	P
Fluquinconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fluridone	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Flusilazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fluthiacet-methyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Flutolanil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Flutriafol	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fluvalinate	Milk	290	290	0	0		0.01	0.002	GC-MS/MS	P
Fonofos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Forchlorfenuron	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Fosthiazate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Fuberidazole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Furalaxyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Furametpyr	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Furathiocarb	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Gentamicin*	Milk	305	305	0	0		0.1	0.3	Delvotest T*	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***
Glyphosate	Milk	59	59	0	0		0.05	0.01	LC-MS/MS	O
Halosulfuron-methyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Haloxypop-etotyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Haloxypop-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor	Milk	305	305	0	0		0.004	0.002	GC-MS/MS	P
Heptachlor endo-epoxide	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Heptachlor exo-epoxide	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Heptenophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Hexachlorobenzene (HCB)	Milk	289	289	0	0		0.01	0.002	GC-MS/MS	P
Hexaconazole	Milk	305	305	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	290	290	0	0		0.01	0.01	LC-MS/MS	P
Hexazinone	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Hexythiazox	Milk	305	305	0	0		0.05	0.002	LC-MS/MS	P
Imazalil	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Imazamethabenz-methyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Imazosulfuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Imidacloprid	Milk	305	305	0	0		0.1	0.005	LC-MS/MS	P
Imidacloprid-5-hydroxy	Milk	19	19	0	0		0.01	0.005	LC-MS/MS	P
Imidacloprid-olefin	Milk	291	291	0	0		0.01	0.01	LC-MS/MS	P
Inabenfide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Indanofan	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Indoxacarb	Milk	305	305	0	0		0.1	0.002	GC-MS/MS	P
Iodofenphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Iodosulfuron-methyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Iprobenfos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Iprodione	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Iprovalicarb	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Isazofos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Isofenphos	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Isofenphos-methyl	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Isoprocab	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Isoprothiolane	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Isoproturon	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Isoprazam	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Isoxathion	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Ivermectin	Milk	154	154	0	0		0.01	0.003	LC-MS/MS	AN
Kanamycin	Milk	305	305	0	0		0.1	0.1	MIT	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***
Karbutilate	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Ketoprofen	Milk	154	154	0	0		0.1	0.0047	GC-MS/MS	NS
Kresoxim-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Lactofen	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Lasalocid	Milk	59	59	0	0		0.015	0.015	LC-MS/MS	PC
Lead	Milk	305	287	18	0	●	0.02	0.001	Wet oxidation/ICP-MS	EL
Lenacil	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Leptophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Levamisole	Milk	154	154	0	0		0.001	0.001	LC-MS/MS	AN
Lindane (γ-HCH)	Milk	305	305	0	0		0.002	0.002	GC-MS/MS	P
Linuron	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Maduramicin	Milk	59	59	0	0		0.1	0.067	LC-MS/MS	PC
Malathion	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Mandipropamid	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Mebendazole	Milk	154	154	0	0		0.002	0.002	LC-MS/MS	AN
Mebendazole 5-hydroxy	Milk	154	154	0	0		0.002	0.002	LC-MS/MS	AN
Mebendazole amine	Milk	154	154	0	0		0.002	0.002	LC-MS/MS	AN
Mefenacet	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Mefenpyr-diethyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Melamine	Milk	59	59	0	0		0.1	0.1	LC-MS/MS	O
Mepanipyrim	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Mepronil	Milk	304	304	0	0		0.01	0.002	GC-MS/MS	P
Mercury- (Total)	Milk	305	305	0	0		0.001	0.001	Acid digest/ICP-MS	EL
Mesotrione	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Metaxyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Metamitron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Metconazole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Methabenzthiazuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Methacrifos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Methamidophos	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Methidathion*	Milk	305	305	0	0		0.002	0.002	GC-MS/MS	P
Methiocarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb sulfone	Milk	286	286	0	0		0.01	0.002	LC-MS/MS	P
Methiocarb sulfoxide	Milk	286	286	0	0		0.01	0.002	LC-MS/MS	P
Methomyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Methoxychlor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Methoxyfenozide	Milk	305	305	0	0		0.05	0.002	LC-MS/MS	P
Metobromuron	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Metolachlor	Milk	305	305	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***
Metominostrobin (E)	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Metominostrobin (Z)	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Metosulam	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Metrafenone	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Metribuzin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Metsulfuron-methyl	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Mevinphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Mirex	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Molinate	Milk	272	272	0	0		0.01	0.002	GC-MS/MS	P
Monensin*	Milk	59	59	0	0		0.009	0.009	LC-MS/MS	PC
Monocrotophos	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Monolinuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Moxidectin	Milk	154	154	0	0		0.04	0.003	LC-MS/MS	AN
Myclobutanil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Napropamide	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Narasin	Milk	59	59	0	0		0.1	0.017	LC-MS/MS	PC
N-benzyl dimethyldecylammonium chloride (BDM-C10)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethylhexadecylammonium chloride (BDM-C16)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyloctadecylammonium chloride (BDM-C18)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyltetradecylammonium chloride (BDM-C14)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-didecyl dimethylammonium chloride (DM-DC10)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyl dimethylammonium chloride (DM-DC12)	Milk	59	59	0	0		0.1	0.01	LC-MS/MS	QAC
Nitrofen	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Nitrothal-isopropyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Norflurazon	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Novaluron	Milk	245	245	0	0		0.1	0.005	LC-MS/MS	P
Octhilinone	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Oleandomycin	Milk	305	305	0	0		0.05	0.05	MIT	IS
Omethoate	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Oryzalin	Milk	305	305	0	0		0.01	0.01	LC-MS/MS	P
Oxabetrinil	Milk	259	259	0	0		0.01	0.01	LC-MS/MS	P
Oxadiazon	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Oxadixyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Oxamyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Oxycarboxin	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Oxychlorane	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Oxyfluorfen	Milk	305	305	0	0		0.01	0.005	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***
Oxytetracycline*	Milk	305	305	0	0		0.01	0.085	Delvotest T*	IS
Oxytetracycline*	Milk	305	305	0	0		0.01	0.015	MIT	IS
Paclobutrazol	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Parathion	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Parathion-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Penconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pencycuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Pendimethalin	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Penicillin	Milk	305	305	0	0		0.004	0.002	Delvotest T*	IS
Penicillin	Milk	305	305	0	0		0.004	0.0004	MIT	IS
Pentachlorobenzene	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Penthiopyrad	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Permethrin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Perthan	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Phenmedipham	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Phenthoate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Phenylbutazone	Milk	154	154	0	0		0.007	0.007	GC-MS/MS	NS
Phorate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfone	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfoxide	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Phosalone	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Phosmet	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Phosphamidon	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Phoxim	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Picolinafen	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Piperonyl butoxide	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Piperophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pirimicarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pirimiphos-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pretilachlor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Prochloraz	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Procymidone	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Profenofos	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Promecarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Prometryn	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Propachlor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Propamocarb	Milk	305	305	0	0		0.01	0.01	LC-MS/MS	P
Propanil	Milk	305	305	0	0		0.01	0.01	LC-MS/MS	P
Propaphos	Milk	305	305	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***
Propaquizafop	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Propargite	Milk	288	288	0	0		0.01	0.002	GC-MS/MS	P
Propazine	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Propetamphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Propham	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Propiconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Propoxur	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Propyzamide	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Proquinazid	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Prosulfocarb	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Prothiofos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pymetrozine	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Pyraclofos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyraclostrobin	Milk	277	277	0	0		0.01	0.002	GC-MS/MS	P
Pyraflufen-ethyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyrasulfotole	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Pyrazophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyrethrins	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Pyributicarb	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyridaben	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyridaphenthion	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyrifeno	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Pyritalid	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Pyrimethanil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyrimidifen	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (E)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (Z)	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyriproxyfen	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Pyroquilon	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Pyroxsulam	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Quinalphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Quinoclamine	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Quinoxifen	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Quintozene	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Quizalofop-ethyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Rimsulfuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Saflufenacil	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Salinomycin	Milk	59	59	0	0		0.1	0.009	LC-MS/MS	PC
Sebuthylazine	Milk	305	305	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***
SEM (Nitrofurazone)	Milk	305	305	0	0		0.0005	0.0005	LC-MS/MS	N
Semduramycin	Milk	59	59	0	0		0.1	0.06	LC-MS/MS	PC
Sethoxydim	Milk	290	290	0	0		0.01	0.002	LC-MS/MS	P
Simazine	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Simeconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Simetryn	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Sodium monofluoroacetate	Milk	59	59	0	0		0.001	0.001	LC-MS/MS	O
Spinetoram	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Spinosad	Milk	291	291	0	0		0.01	0.002	LC-MS/MS	P
Spiramycin	Milk	305	305	0	0		0.04	0.04	MIT	IS
Spiromesifen enol	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Spiromesifen	Milk	288	288	0	0		0.01	0.005	LC-MS/MS	P
Spirotetramat	Milk	305	305	0	0		0.002	0.002	LC-MS/MS	P
Spirotetramat enol	Milk	305	305	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat enol-glucoside	Milk	305	305	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat-keto-hydroxy	Milk	305	305	0	0		0.002	0.002	LC-MS/MS	P
Spirotetramat-mono-hydroxy	Milk	305	305	0	0		0.002	0.002	LC-MS/MS	P
Spiroxamine	Milk	291	291	0	0		0.01	0.002	LC-MS/MS	P
Streptomycin	Milk	305	305	0	0		0.02	0.02	MIT	IS
Sulfadiazine	Milk	305	305	0	0		0.1	0.1	Delvotest T*	IS
Sulfentrazone	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Sulprofos	Milk	288	288	0	0		0.01	0.002	LC-MS/MS	P
Tebuconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tebufenozide	Milk	305	305	0	0		0.01	0.01	LC-MS/MS	P
Tebufenpyrad	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tebuthiuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Tecnazene	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tefluthrin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Temephos	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Tepraloxymdim	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Terbacil	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Terbufos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Terbumeton	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Terbutylazine	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Terbutryn	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tetrachlorvinphos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tetraconazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tetracycline	Milk	305	305	0	0		0.05	0.05	SNAP (tetracycline)	IS
Tetracycline*	Milk	305	305	0	0		0.01	0.015	MIT	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***
Tetradifon	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tetrahydrophthalimide 1,2,3,6	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Thenylchlor	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Thiabenzazole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Thiacloprid	Milk	305	305	0	0		0.05	0.002	LC-MS/MS	P
Thiamethoxam	Milk	305	305	0	0		0.05	0.005	LC-MS/MS	P
Thiazopyr	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Thidiazuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Thiobencarb	Milk	254	254	0	0		0.01	0.002	GC-MS/MS	P
Thiometon	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tiadinil	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Tin	Milk	305	297	8	0	●	0.1	0.005	Acid digest/ICP-MS	EL
Tolclofos-methyl	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tolyfluanid	Milk	305	305	0	0		0.01	0.01	LC-MS/MS	P
Tralkoxydim	Milk	290	290	0	0		0.01	0.002	LC-MS/MS	P
Transfluthrin	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Triadimefon	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Triadimenol	Milk	305	305	0	0		0.01	0.005	GC-MS/MS	P
Tri-allate	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Triasulfuron	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Triazophos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tribenuron-methyl	Milk	238	238	0	0		0.01	0.005	LC-MS/MS	P
Tribufos	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Trichlorfon	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Triclabendazole	Milk	154	154	0	0		0.01	0.005	LC-MS/MS	AN
Triclabendazole sulfone	Milk	154	154	0	0		0.01	0.005	LC-MS/MS	AN
Triclabendazole sulfoxide	Milk	154	154	0	0		0.01	0.01	LC-MS/MS	AN
Tricyclazole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Trifloxystrobin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Trifloxysulfuron-sodium	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Triflumizole	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Triflururon	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Trifluralin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Triflusulfuron-methyl	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Triforine	Milk	264	264	0	0		0.01	0.005	LC-MS/MS	P
Triticonazole	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Tylosin	Milk	305	305	0	0		0.05	0.05	Delvotest T*	IS
Tylosin	Milk	305	305	0	0		0.05	0.033	MIT	IS
Uniconazole-P	Milk	305	305	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***
Vamidothion	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P
Vinclozolin	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
XMC	Milk	305	305	0	0		0.01	0.002	GC-MS/MS	P
Zoxamide	Milk	305	305	0	0		0.01	0.002	LC-MS/MS	P

Notes

Results which are confirmed using a validated test and exceed the reporting limit or action limit are reported. Presumptive positives which are found using a qualitative method are not reported.

[compound]* Compounds are included even though the method may not detect down to action limits as it will still enable the conformance of milk at delivery to the processing premises to be assessed

*** Refer to Table 9 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 samples 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	5	2	3	0	●	0.004	0.00061	LC-MS/MS*	IS
Arsenic	Colostrum	10	2	8	0	●	0.01	0.001	Wet Oxidation/ICP-MS	EL
Benzyltrimethylammonium chloride (BDM-C12)	Colostrum	10	9	1	0	●	0.1	0.01	LC-MS/MS	QAC
Bismuth	Colostrum	10	5	5	1	⊖	0.5	0.001	Acid Digest/ICP-MS	EL
Cephalonium	Colostrum	5	4	1	0	●	0.02	0.0013	LC-MS/MS*	IS
DDE (p,p')****	Colostrum	10	6	4	0	●	0.02	0.002	GC-MS/MS	P
Diphenylamine	Colostrum	10	8	2	0	●	0.01	0.002	GC-MS/MS	P
Lead	Colostrum	10	2	8	0	●	0.02	0.001	Wet Oxidation/ICP-MS	EL
Temephos	Colostrum	10	8	2	2	⊖	0.01	0.005	LC-MS/MS	P

Notes

*** Refer to Table 9 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

* Confirmatory testing following presumptive positive result

5.4 COLOSTRUM RESULTS – ALL

Table 6: All colostrum samples 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	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Abamectin	Colostrum	10	10	0	0		0.003	0.003	LC-MS/MS	AN
Acephate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Acetamidrid	Colostrum	10	10	0	0		0.1	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
Acrinathrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Aflatoxin-M1	Colostrum	10	10	0	0		0.05 ug/kg	0.005 ug/kg	LC-MS/MS	AF
AHD (Nitrofurantoin)	Colostrum	10	10	0	0		0.0003	0.0003	LC-MS/MS	N
Alachlor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Alanycarb	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Albendazole	Colostrum	10	10	0	0		0.1	0.001	LC-MS/MS	AN
Albendazole sulfone	Colostrum	10	10	0	0		0.1	0.001	LC-MS/MS	AN
Albendazole sulfone 2-amino	Colostrum	10	10	0	0		0.1	0.004	LC-MS/MS	AN
Albendazole sulfoxide	Colostrum	10	10	0	0		0.1	0.001	LC-MS/MS	AN
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	MIT	IS
AMOX (Furaltadone)	Colostrum	10	10	0	0		0.0001	0.0001	LC-MS/MS	N
Ampicillin	Colostrum	10	10	0	0		0.004	0.002	Delvotest T*	IS
Ampicillin	Colostrum	10	7	3	0	●	0.004	0.0015	MIT/ LC-MS/MS	IS
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)	Colostrum	10	10	0	0		0.0001	0.0001	LC-MS/MS	N
Arsenic	Colostrum	10	2	8	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
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
Benoxacor	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bensulfuron-methyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Bensulide	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Benzyltrimethylammonium chloride (BDM-C12)	Colostrum	10	9	1	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		0.1	0.002	GC-MS/MS	P
Bioresmethrin	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Bismuth	Colostrum	10	5	5	1	⊖	0.5	0.001	Acid Digest/ICP-MS	EL
Bitertanol	Colostrum	10	10	0	0		0.05	0.002	GC-MS/MS	P
Boscalid	Colostrum	10	10	0	0		0.02	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		0.05	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/ICP-MS	EL
Cadusafos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Cafenstrole	Colostrum	10	10	0	0		0.01	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		0.001	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
Ceftiofur	Colostrum	10	10	0	0		0.1	0.008	MIT	IS
Cephalexin	Colostrum	10	10	0	0		0.1	0.012	MIT	IS
Cephalonium	Colostrum	10	10	0	0		0.02	0.02	Delvotest T*	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***
Cephalonium	Colostrum	10	9	1	0	●	0.02	0.008	MIT/ LC-MS/MS	IS
Cephuroxime	Colostrum	10	10	0	0		0.1	0.016	MIT	IS
Chlorantraniliprole	Colostrum	10	10	0	0		0.05	0.002	LC-MS/MS	P
Chlordane-cis	Colostrum	10	10	0	0		0.002	0.002	GC-MS/MS	P
Chlordane-trans	Colostrum	10	10	0	0		0.002	0.002	GC-MS/MS	P
Chlorfenapyr	Colostrum	10	10	0	0		0.01	0.005	GC-MS/MS	P
Chlorfenvinphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Chloridazon	Colostrum	10	10	0	0		0.1	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		0.1	0.002	GC-MS/MS	P
Chlorotoluron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Colostrum	10	10	0	0		0.01	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		0.01	0.004	MIT	IS
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		0.01	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	Colostrum	10	10	0	0		0.015	0.015	Delvotest T*	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		0.1	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		0.01	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***
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
Cyhalothrin	Colostrum	10	10	0	0		0.05	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		0.01	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	6	4	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
Deltamethrin	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		0.01	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
Dichlorobenzophenone (Dicofol-BP)	Colostrum	10	10	0	0		0.01	0.002	GC-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
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		0.005	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		0.02	0.02	MIT	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***
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
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
Diphenamid	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Diphenylamine	Colostrum	10	8	2	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	0.003	LC-MS/MS	AN
Edifenphos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Enamectin benzoate	Colostrum	10	10	0	0		0.002	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		0.002	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		0.01	0.002	GC-MS/MS	P
Epoxiconazole	Colostrum	10	10	0	0		0.002	0.002	GC-MS/MS	P
Eprinomectin	Colostrum	10	10	0	0		0.02	0.003	LC-MS/MS	AN
EPTC	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Erythromycin	Colostrum	10	10	0	0		0.01	0.01	MIT	IS
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		0.01	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
Ethoxyquin	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
Etioazole	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Etrifos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Famoxadone	Colostrum	10	10	0	0		0.03	0.01	LC-MS/MS	P
Famphur	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fenamidone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Fenamiphos	Colostrum	10	10	0	0		0.002	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	0.001	LC-MS/MS	AN
Fenbendazole sulfone	Colostrum	10	10	0	0		0.01	0.001	LC-MS/MS	AN
Fenbendazole sulfoxide	Colostrum	10	10	0	0		0.01	0.001	LC-MS/MS	AN
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
Fenpropadin	Colostrum	10	10	0	0		0.005	0.002	LC-MS/MS	P
Fenpropathrin	Colostrum	10	10	0	0		0.01	0.002	GC-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		0.01	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		0.01	0.002	GC-MS/MS	P
Fenthion sulfoxide	Colostrum	10	10	0	0		0.01	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		0.01	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
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
Fluazifop-P-butyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Flubendazole	Colostrum	10	10	0	0		0.1	0.001	LC-MS/MS	AN
Flubendazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Flubendazole amine	Colostrum	10	10	0	0		0.1	0.002	LC-MS/MS	AN
Flubendiamide	Colostrum	10	10	0	0		0.1	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		0.01	0.002	LC-MS/MS	P
Flumethrin	Colostrum	10	10	0	0		0.03	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		0.04	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		0.02	0.002	GC-MS/MS	P
Fluopyram	Colostrum	10	10	0	0		0.3	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		0.01	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		0.01	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
Furametpyr	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Furathiocarb	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Gentamicin*	Colostrum	10	10	0	0		0.1	0.3	Delvotest T*	IS
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		0.004	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Heptenophos	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Hexachlorobenzene (HCB)	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
Hexadecylpyridiniumammonium 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
Hexazinone	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Hexythiazox	Colostrum	10	10	0	0		0.05	0.002	LC-MS/MS	P
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		0.1	0.005	LC-MS/MS	P
Imidacloprid-olefin	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Inabenfide	Colostrum	10	10	0	0		0.01	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		0.1	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		0.01	0.005	LC-MS/MS	P
Isoprocarb	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	0.003	LC-MS/MS	AN
Kanamycin	Colostrum	10	10	0	0		0.1	0.1	MIT	IS
Karbutilate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Ketoprofen	Colostrum	10	10	0	0		0.1	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		0.015	0.015	LC-MS/MS	PC
Lead	Colostrum	10	2	8	0	●	0.02	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		0.001	0.001	LC-MS/MS	AN

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Lindane (γ-HCH)*	Colostrum	10	10	0	0		0.002	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		0.1	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		0.002	0.002	LC-MS/MS	AN
Mebendazole 5-hydroxy	Colostrum	10	10	0	0		0.002	0.002	LC-MS/MS	AN
Mebendazole amine	Colostrum	10	10	0	0		0.002	0.002	LC-MS/MS	AN
Mefenacet	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Mefenpyr-diethyl	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Melamine	Colostrum	10	10	0	0		0.1	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/ICP-MS	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		0.002	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		0.05	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		0.01	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Monensin*	Colostrum	10	10	0	0		0.009	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	0.003	LC-MS/MS	AN
Myclobutanil	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Napropamide	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Narasin	Colostrum	10	10	0	0		0.1	0.017	LC-MS/MS	PC
N-benzyl dimethyldecylammonium chloride (BDM-C10)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethylhexadecylammonium chloride (BDM-C16)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyloctadecylammonium chloride (BDM-C18)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyltetradecylammonium chloride (BDM-C14)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-didecyl dimethylammonium chloride (DM-DC10)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyl dimethylammonium chloride (DM-DC12)	Colostrum	10	10	0	0		0.1	0.01	LC-MS/MS	QAC
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
Octhilinone	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Oleandomycin	Colostrum	10	10	0	0		0.05	0.05	MIT	IS
Omethoate	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Oryzalin	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		0.01	0.085	Delvotest T*	IS
Oxytetracycline*	Colostrum	10	10	0	0		0.01	0.015	MIT	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	Colostrum	10	10	0	0		0.004	0.002	Delvotest T*	IS
Penicillin	Colostrum	10	10	0	0		0.004	0.0004	MIT	IS
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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
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		0.007	0.007	GC-MS/MS	NS
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		0.01	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		0.01	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		0.01	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		0.01	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Pyraclofos	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
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
Pyrifeno	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Pyrifitalid	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		0.1	0.009	LC-MS/MS	PC
Sebuthylazine	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
SEM (Nitrofurazone)	Colostrum	10	10	0	0		0.0005	0.0005	LC-MS/MS	N
Semduramycin	Colostrum	10	10	0	0		0.1	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
Spiramycin	Colostrum	10	10	0	0		0.04	0.04	MIT	IS
Spiromesifen enol	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
Spirotetramat	Colostrum	10	10	0	0		0.002	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***
Spirotetramat enol	Colostrum	10	10	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat enol-glucoside	Colostrum	10	10	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat-keto-hydroxy	Colostrum	10	10	0	0		0.002	0.002	LC-MS/MS	P
Spirotetramat-mono-hydroxy	Colostrum	10	10	0	0		0.002	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		0.02	0.02	MIT	IS
Sulfadiazine	Colostrum	10	10	0	0		0.1	0.1	Delvotest T*	IS
Sulfentrazone	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
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
Tebufozide	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Tebufozpyrad	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		0.01	0.002	GC-MS/MS	P
Temephos	Colostrum	10	8	2	2	⚠	0.01	0.005	LC-MS/MS	P
Tepraloxym	Colostrum	10	10	0	0		0.01	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		0.05	0.05	SNAP (tetracycline)	IS
Tetracycline	Colostrum	10	10	0	0		0.015	0.015	MIT	IS
Tetradifon	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Tetrahydrophthalimide 1,2,3,6	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
Thiabenzazole	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Thiacloprid	Colostrum	10	10	0	0		0.05	0.002	LC-MS/MS	P
Thiamethoxam	Colostrum	10	10	0	0		0.05	0.005	LC-MS/MS	P
Thiazopyr	Colostrum	10	10	0	0		0.01	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
Tin	Colostrum	10	10	0	0		0.1	0.005	Acid digest/ICP-MS	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/kg)	LoR (mg/kg)	Method	Code***
Tralkoxydim	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		0.01	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	0.005	LC-MS/MS	AN
Triclabendazole sulfone	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	AN
Triclabendazole sulfoxide	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	AN
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		0.01	0.002	GC-MS/MS	P
Triflusulfuron-methyl	Colostrum	10	10	0	0		0.01	0.002	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	0.05	Delvotest T*	IS
Tylosin	Colostrum	10	10	0	0		0.05	0.033	MIT	IS
Uniconazole-P	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

Results which are confirmed using a validated test and exceed the reporting limit or action limit are reported. Presumptive positives which are found using a qualitative method are not reported.

[compound]* Compounds are included even though the method may not detect down to action limits as it will still enable the conformance of milk at delivery to the processing premises to be assessed

*** Refer to Table 9 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

5.5 MILK INTEGRITY

Table 7: Raw milk and colostrum samples 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	305	248	57	1	●	max. 1.0 mg/L	n.d.	1.0018	Acid digest/ICP-MS	EL
Aluminium	Colostrum	10	2	8	0		max. 1.0 mg/L	n.d.	0.2795	Acid digest/ICP-MS	EL
Boron	Milk	305	12	293	0		max. 1.0 mg/L	n.d.	0.3173	Acid digest/ICP-MS	EL
Boron	Colostrum	10	2	8	0		max. 1.0 mg/L	n.d.	0.4863	Acid digest/ICP-MS	EL
Chromium	Milk	305	292	13	0		max. 0.3 mg/L	n.d.	0.0167	Acid digest/ICP-MS	EL
Chromium	Colostrum	10	10	0	0		max. 0.3 mg/L	n.d.	n.d.	Acid digest/ICP-MS	EL
Cobalt	Milk	305	304	1	0		max. 0.1 mg/L	n.d.	0.0026	Acid digest/ICP-MS	EL
Cobalt	Colostrum	10	8	2	0		max. 0.1 mg/L	n.d.	0.0022	Acid digest/ICP-MS	EL
Copper	Milk	305	0	305	2	●	max. 0.15 mg/L	0.0091	0.2111	Acid digest/ICP-MS	EL
Copper	Colostrum	10	0	10	1	●	max. 0.15 mg/L	0.0496	0.2353	Acid digest/ICP-MS	EL
Iodine	Milk	305	0	305	0		max. 1.5 mg/L	0.0015	0.4868	TMAH Digestion/ICP-MS	EL
Iodine	Colostrum	10	0	10	0		max. 1.5 mg/L	0.0141	0.6423	TMAH Digestion/ICP-MS	EL
Iron	Milk	305	297	8	0		max. 5.0 mg/L	n.d.	1.017	Acid digest/ICP-MS	EL
Iron	Colostrum	10	1	9	0		max. 5.0mg/L	n.d.	1.065	Acid digest/ICP-MS	EL
Selenium	Milk	305	0	305	0		max. 2.0 mg/L	0.0033	0.0575	Acid digest/ICP-MS	EL
Selenium	Colostrum	10	0	10	0		max. 2.0 mg/L	0.0182	0.0676	Acid digest/ICP-MS	EL
Urea	Milk	305	0	305	0		min. 7.0 and max. 70 mg/dL	9.4	55.6	FTIR	MC
Zinc	Milk	305	0	305	0		max. 10 mg/L	1.8281	7.7638	Acid digest/ICP-MS	EL
Zinc	Colostrum	10	0	10	4	●	max. 10 mg/L	6.2991	12.3523	Acid digest/ICP-MS	EL
IgG1	Colostrum	10	0	10	0		min. 2.0 g/L	3.85	19.66	NIA	MC
Sodium Thiocyanate	Milk	59	3	56	0		max. 20 mg/L	n.d.	13	HPLC-UV	O
Total		3209	1179	2030	8						

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
FTIR	Fourier-transform infrared spectroscopy
GC-ECD	Gas chromatography with electron capture detection
GC-MS/MS	Gas chromatography tandem mass spectrometry
HPLC	High-performance liquid chromatography
HPLC-UV	High-performance liquid chromatography with ultraviolet detection
ICP-MS	Inductively coupled plasma mass spectrometry

Method	Description
LC-MS/MS	Liquid chromatography tandem mass spectrometry
MIT	Screen test using 4-plate microbial inhibition test (plate bioassay)
NIA	Nephelometric immune assay

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
AN	Anthelmintics
C	Dicyandiamide (DCD)
D	Dexamethasone
EL	Chemical element
IS	Inhibitory substance
MC	Milk component
N	Nitrofurans
NS	Non-steroidal 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

Sampling Season	Number of milk samples	Number of colostrum samples	Overall rate of detections
2017/18	305	10	0.15%
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

