



National Chemical Contaminants Programme

Raw Milk Result Summary (July 2015 to June 2016)

MPI Technical Paper No: 2017/23

By MPI Regulation and Assurance Branch

ISBN No: 978-1-77665-534-2 (online)

ISSN No: 2253-3923 (online)

March 2017

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1 Summary

This National Chemical Contaminants Programme report provides a summary of results for raw milk and colostrum sampled over the full 2015/2016 dairy season, spanning the period 1 July 2015 to 30 June 2016, 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 and that emerging hazards are identified and appropriate regulatory measures 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.

2 NCCP Sampling and Testing

2.1 WHAT WE TESTED

- 306 raw milk samples were collected over 7 random sampling rounds across the period 1 July 2015 to 30 June 2016 (311 milk samples in 2014/15); and
- 1 targeted colostrum round of 10 samples across the period 1 July 2015 to 30 June 2016 (11 in 2014/15).

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.

2.2 WHAT WE LOOKED FOR

More than 500 individual compounds or elements including:

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- other compounds withdrawn or not permitted for food producing animals;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

In total 167,958 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 limits (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 minimum 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 162,378 individual test results for raw milk (excluding colostrum) there were 148 reported detections (0.09%) above the agreed method reporting limit. No result was above the action limit.

This represents a conformance rate of 100%.

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

3.2 RAW COLOSTRUM

Of the 5,580 individual test results for colostrum there were 13 reported detections (0.23%) above the agreed method reporting limit. There was 1 result above the action limit (0.018%):

- 1 detection of DDE (p,p') (0.021 mg/l) above the action limit of 0.02 mg/l.

This represents a conformance rate of 99.98%.

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

3.3 DETECTIONS ABOVE ACTION LIMITS

Table 1: Compound detected in colostrum above the action limit

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
DDE (p,p') ****	Colostrum	10	8	1	1	☞	0.02	0.002	GC-MS/MS	P

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 reported limit did exceed the action limit threshold

3.3.1 DDE (p,p')

The detection of DDE (p,p') above the action limit was in one colostrum sample at 0.021 mg/l. 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 milking's. 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.

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/l	LoR mg/l	Method	Code***
Abamectin	Colostrum	10	9	1	0	●	0.005	0.002	HPLC-FL	ML
Bismuth	Milk	155	101	54	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
Penicillin G	Colostrum	10	9	1	0	●	0.004	0.0004	Microbial Inhibition	MIT
Cyanuric acid	Milk	155	153	2	0	●	0.26	0.1	LC-MS/MS	O
Cadmium	Milk	155	136	19	0	●	0.1	0.0002	Acid digest/ICPMS	EL
Lead	Milk	155	138	17	0	●	0.02	0.001	Wet oxidation/ICPMS	EL
Lead	Colostrum	10	6	4	0	●	0.2	0.001	Wet oxidation/ICPMS	EL
Tin	Milk	155	154	1	0	●	0.1	0.005	Acid digest/ICPMS	EL
DDE (p,p') ****	Milk	306	269	37	0	●	0.02	0.002	GC-MS/MS	P
Cyantraniliprole	Milk	306	305	1	0	●	0.01	0.002	LC-MS/MS	P
Piperonyl butoxide	Milk	306	305	1	0	●	0.01	0.002	GC-MS/MS	P
Benzyl butyl phthalate (BBP)	Milk	60	59	1	0	●	1	0.1	GC-MS/MS	Pht
Benzyl dimethyl dodecyl ammonium chloride (BDM-C12)	Milk	60	59	1	0	●	0.1	0.01	LC-MS/MS	QAC
Bis(2-ethylhexyl) adipate (DEHA)	Milk	60	47	13	0	●	1	0.1	GC-MS/MS	Pht
N-benzyl dimethyl tetradecyl ammonium chloride (BDM-C14)	Milk	60	59	1	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/l	LoR mg/l	Method	Code***
Benzyltrimethylammonium chloride (BDM-C12)	Colostrum	10	9	1	0	●	0.1	0.01	LC-MS/MS	OAC
N-benzyltrimethylammonium chloride (BDM-C14)	Colostrum	10	9	1	0	●	0.1	0.01	LC-MS/MS	OAC

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

3.4.1 Abamectin

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

3.4.2 Bismuth

The detections of bismuth were in colostrum and milk samples taken in early lactation. 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.

Because of its nature, and the low levels of bismuth found, these findings are not considered to be of any concern to public health.

3.4.3 Penicillin G

Penicillin G is registered for use as an antibiotic for dairy cows during lactation. The detection below the action limit in a colostrum sample is not unexpected.

3.4.4 Cyanuric acid

Cyanuric acid was reported in 2 milk samples below the action limit. The samples were also tested for melamine, with no trace detected, confirming that the detection is not associated with melamine. Cyanuric acid is a known metabolite of several pesticides and agricultural compounds. MPI has previously investigated low level findings and confirmed that these are not linked to any form of milk or feed adulteration.

3.4.5 Chemical elements

Cadmium 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 has been 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.

3.4.6 Pesticides

DDE (p,p') was reported in 37 milk samples and 2 colostrum samples. Apart from 1 colostrum sample, the reported levels were below the New Zealand MRL of 1.25 mg/kg on a fat basis and below the action limit of 0.50 mg/kg on a fat basis (0.02 mg/l on a 4% fat milk basis) which is consistent with Codex limits.

Metabolites of DDT are periodically identified very early in lactation from animals grazing land where DDT was historically applied to control grass grub (*Costelytra zealandica*). In 1970, New Zealand became one of the first countries in the world to ban the use of DDT on pastoral land. Most commonly residues of DDE, which can have a half-life in excess of 25 years in some soils under certain conditions, are identified, rather than the parent compound DDT. This confirms historic use rather than recent use of this pesticide in New Zealand.

Cyantraniliprole is registered in New Zealand for use as an insecticide for the control of certain insect pests in fodder brassicas. Cyantraniliprole was reported in 1 milk sample. The reported level did not exceed the action limit and was below the Codex MRL of 0.02 mg/l.

Piperonyl butoxide is registered for use in an insecticide for the control of New Zealand cattle ticks (*Haemaphysalis longicornis*), lice or biting flies on cattle in New Zealand. The detection below the action limit in a milk sample is not unexpected.

3.4.7 Phthalates

Bis(2-ethylhexyl) adipate (DEHA) was reported in 13 milk samples and **benzyl butyl phthalate (BBP)** was reported in 1 milk sample. The reported levels did not exceed action limits. The action limit for DEHA has been established based on levels of the compound reasonably expected to be found in milk or dairy products, though DEHA is not a phthalate of high concern. DEHA has replaced DEHP in some food contact materials (such as milking cup liners) and so detections are not unexpected, but at low levels only. BBP is a phthalate ester that is ubiquitous in the environment. BBP is mainly used as plasticiser in PVC and other polymer materials.

3.4.8 Quaternary Ammonium Compounds (QACs)

Benzyltrimethylammonium chloride (BDM-C12) and **N-benzyltrimethyltetradecylammonium chloride (BDM-C14)** were both reported in 1 milk sample and 1 colostrum sample. The reported levels did not exceed action limits. QACs are widely used as surfactants and disinfectants and several products have been approved for sanitising dairy equipment. For a number of years 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) 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)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 ascertain 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 2015/2016 year was 0.10%. This is within the range of the overall rate of detections reported in previous years (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/l	LoR mg/l	Method	Code***
Benzyl butyl phthalate (BBP)	Milk	60	59	1	0	●	1	0.1	GC-MS/MS	Pht
Benzyl dimethyl dodecyl ammonium chloride (BDM-C12)	Milk	60	59	1	0	●	0.1	0.01	LC-MS/MS	OAC
Bis(2-ethylhexyl) adipate (DEHA)	Milk	60	47	13	0	●	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	155	101	54	0	●	No MRL required	0.001	Acid Digest/ICPMS	EL
Cadmium	Milk	155	136	19	0	●	0.1	0.0002	Acid digest/ICPMS	EL
Cyantraniliprole	Milk	306	305	1	0	●	0.01	0.002	LC-MS/MS	P
Cyanuric acid	Milk	155	153	2	0	●	0.26	0.1	LC-MS/MS	O
DDE (p,p) ****	Milk	306	269	37	0	●	0.02	0.002	GC-MS/MS	P
Lead	Milk	155	138	17	0	●	0.02	0.001	Wet oxidation/ICPMS	EL
N-benzyl dimethyl tetradecyl ammonium chloride (BDM-C14)	Milk	60	59	1	0	●	0.1	0.01	LC-MS/MS	OAC
Piperonyl butoxide	Milk	306	305	1	0	●	0.01	0.002	GC-MS/MS	P
Tin	Milk	155	154	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 reported limit did exceed the action limit threshold

¹ Codex Alimentarius Commission Procedural Manual

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/l	LoR mg/l	Method	Code***
Abamectin	Milk	155	155	0	0		0.005	0.002	HPLC-FL	ML
Abamectin	Milk	306	306	0	0		0.005	0.01*	LC-MS/MS	P
Acephate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Acetamiprid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Acetamiprid-N-desmethyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Acetochlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Acibenzolar-S-methyl	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Acifluorfen	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Acrinathrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Aflatoxin-B1	Milk	60	60	0	0		0.33 (µg/kg)	0.33 (µg/kg)	HPLC	AF
Aflatoxin-B2	Milk	60	60	0	0		0.03 (µg/kg)	0.03 (µg/kg)	HPLC	AF
Aflatoxin-G1	Milk	60	60	0	0		0.33 (µg/kg)	0.33 (µg/kg)	HPLC	AF
Aflatoxin-G2	Milk	60	60	0	0		0.03 (µg/kg)	0.03 (µg/kg)	HPLC	AF
Aflatoxin-M1	Milk	306	306	0	0		0.05 (µg/kg)	0.01 (µg/kg)	ELISA	AF
Aflatoxin-M1	Milk	60	60	0	0		0.05 (µg/kg)	0.018 (µg/kg)	HPLC	AF
Aflatoxin-M2	Milk	60	60	0	0		0.05 (µg/kg)	0.009 (µg/kg)	HPLC	AF
AHD (Nitrofurantoin)	Milk	306	306	0	0		0.001	0.001	LC-MS/MS	N
Alachlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Alanycarb	Milk	306	306	0	0		0.05	0.002	LC-MS/MS	P
Albendazole	Milk	155	155	0	0		0.1	0.011	LC-MS/MS	B
Aldicarb	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Aldicarb sulfone	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Aldicarb sulfoxide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Aldrin	Milk	306	306	0	0		0.006	0.002	GC-MS/MS	P
Allidochlor	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Ametoctradin	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Ametryn	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Aminomethylphosphonic acid (AMPA)	Milk	60	60	0	0		0.01	0.01	LC-MS/MS	O
Amoxicillin	Milk	306	306	0	0		0.004	0.0015	Microbial Inhibition	MIT
AMOZ (Furaltadone)	Milk	306	306	0	0		0.001	0.001	LC-MS/MS	N
Ampicillin	Milk	306	306	0	0		0.004	0.0015	Microbial Inhibition	MIT
Anilofos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Anthraquinone	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
AOZ (Furazolidone)	Milk	306	306	0	0		0.001	0.001	LC-MS/MS	N
Arsenic	Milk	155	155	0	0		0.01	0.001	Wet oxidation/ICPMS	EL
Atrazine	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Azaconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Azamethiphos	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Azinphos-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Azoxystrobin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Benalaxyl	Milk	306	306	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/l	LoR mg/l	Method	Code***
Bendiocarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Benfluralin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Benfuracarb	Milk	28	28	0	0		0.05	0.05	LC-MS/MS	P
Benodanil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Benoxacor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bensulfuron-methyl	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Bensulide	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Benzyl butyl phthalate (BBP)	Milk	60	59	1	0	●	1	0.1	GC-MS/MS	Pht
Benzyl dimethyl dodecyl ammonium chloride (BDM-C12)	Milk	60	59	1	0	●	0.1	0.01	LC-MS/MS	QAC
BHC (alpha)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
BHC (beta)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
BHC (delta)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
BifenoX	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bifenthrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bioresmethrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bis(2-ethylhexyl) phthalate (DEHP)	Milk	60	60	0	0		1	0.1	GC-MS/MS	Pht
Bis(2-ethylhexyl) adipate (DEHA)	Milk	60	47	13	0	●	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	155	101	54	0	●	No MRL required	0.001	Acid Digest/ICPMS	EL
Bitertanol	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Boscalid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Bromacil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bromobutide	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bromophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bromophos-ethyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bromopropylate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Bupirimate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Buprofezin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Butachlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Butafenacil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Butamifos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cadmium	Milk	155	136	19	0	●	0.1	0.0002	Acid digest/ICPMS	EL
Cadusafos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cafenstrole	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Captan	Milk	28	28	0	0		0.01	0.05*	GC-ECD	P
Carbaryl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Carbendazim	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Carbetamide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Carbofuran	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Carboxin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Carfentrazone-ethyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Carpropamid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Cefalexin	Milk	306	306	0	0		0.1	0.012	Microbial Inhibition	MIT
Cefalonium	Milk	306	306	0	0		0.02	0.008	Microbial Inhibition	MIT
Cefalonium	Milk	306	306	0	0		0.02	0.008	Copan	IS
Cefapirin Sodium	Milk	306	306	0	0		0.01	0.004	Copan	IS
Cefazolin	Milk	306	306	0	0		0.05	0.005	Copan	IS

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
Ceftiofur	Milk	306	306	0	0		0.01	0.008	Microbial Inhibition	MIT
Cefuroxime Sodium	Milk	306	306	0	0		0.036**	0.036	Copan	IS
Chloramphenicol	Milk	306	306	0	0		0.0001	0.0001	LC-MS/MS	A6
Chlorantraniliprole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Chlorbufam	Milk	28	28	0	0		0.02	0.02	LC-MS/MS	P
Chlordane-cis	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlordane-trans	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlorfenapyr	Milk	306	306	0	0		0.02	0.005	GC-MS/MS	P
Chlorfenvinphos	Milk	306	306	0	0		0.1	0.002	GC-MS/MS	P
Chloridazon	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Chlorimuron-ethyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Chlorobenzilate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlorotetracycline hydrochloride	Milk	306	306	0	0		0.6**	0.6	Copan	IS
Chlorothalonil	Milk	28	28	0	0		0.01	0.01	GC-MS/MS	P
Chlorotoluron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Chlorpropham	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlorsulfuron	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Chlortetracycline	Milk	306	306	0	0		0.05	0.004	Microbial Inhibition	MIT
Chlorthal-dimethyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlorthiophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chlzolinate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chromafenozide	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Cinidon-ethyl	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Clethodim	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Clodinafop-propargyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Clofentezine	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Clomazone	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cloquintocet-mexyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Clothianidin	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Cloxacillin Sodium	Milk	306	306	0	0		0.03	0.015	Copan	IS
Coumaphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Coumaphos oxon	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Crufomate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cyanazine	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cyanophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cyantraniliprole	Milk	306	305	1	0	●	0.01	0.002	LC-MS/MS	P
Cyanuric acid	Milk	155	153	2	0	●	0.26	0.1	LC-MS/MS	O
Cyazofamid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Cyclanilide	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Cycloate	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Cyclosulfamuron	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Cyflufenamid	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Cyfluthrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cyhalofop-butyl	Milk	306	306	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/l	LoR mg/l	Method	Code***
Cyhalothrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cymoxanil	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Cypermethrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cyproconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cyprodinil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cyromazine	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Daimuron	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
DDD (o,p) ****	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
DDD (p,p) ****	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
DDE (o,p) ****	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
DDE (p,p) ****	Milk	306	269	37	0	●	0.02	0.002	GC-MS/MS	P
DDT (o,p) ****	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
DDT (p,p) ****	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Deltamethrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl sulfoxide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Desmedipham	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Dexamethasone	Milk	60	60	0	0		0.00011	0.00011	GC-MS/MS	D
Di-allate	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Diazinon	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Dichlobenil	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Dichlofenthion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dichlofuanid	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Dichlorobenzophenone (Dicofof-BP)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dichlorvos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Diclobutrazol	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Diclocymet	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Diclofop-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dicloran	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Diclosulam	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Dicloxacillin sodium salt hydrate	Milk	306	306	0	0		0.03	0.01	Copan	IS
Dicrotophos	Milk	306	306	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	306	306	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	306	306	0	0		0.006	0.002	GC-MS/MS	P
Diethofencarb	Milk	306	306	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	306	306	0	0		0.01	0.002	GC-MS/MS	P
Diffubenzuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Diffufenican	Milk	306	306	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	306	306	0	0		0.1	0.02	Microbial Inhibition	MIT
Dihydrostreptomycin sesquisulfate	Milk	306	306	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dimethenamid	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dimethoate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dimethomorph	Milk	306	306	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	60	60	0	0		0.1	0.01	LC-MS/MS	OAC
Dimethylvinphos	Milk	306	306	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	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dioxathion	Milk	306	306	0	0		0.02	0.005	LC-MS/MS	P
Diphenamid	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Diphenylamine	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Disulfoton	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dithiopyr	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Diuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Dodine	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Doramectin	Milk	155	155	0	0		0.003	0.002	HPLC-FL	ML
Doxycycline hyclate	Milk	306	306	0	0		0.3**	0.3	Copan	IS
Edifenphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Emamectin benzoate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Endosulfan (alpha)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan (beta)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan sulfate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Endrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Endrin ketone	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
EPN	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Epoxiconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Eprinomectin	Milk	155	155	0	0		0.02	0.002	HPLC-FL	ML
EPTC	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Erythromycin	Milk	306	306	0	0		0.05	0.01	Microbial Inhibition	MIT
Esprocarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ethalfuralin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ethametsulfuron-methyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Ethiofencarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ethion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ethiprole	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Ethofumesate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ethoprophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ethoxyquin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ethoxysulfuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Ethychlozate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Etobenzanid	Milk	306	306	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/l	LoR mg/l	Method	Code***
Etoazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Etridiazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Etrimfos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Famoxadone	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Famphur	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenamidone	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Fenamiphos	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenarimol	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenbendazole	Milk	155	155	0	0		0.01	0.017*	LC-MS/MS	B
Fenbuconazole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenclorphanos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenhexamid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenitrothion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenobucarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenothiocarb	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenoxanil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenoxaprop	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Fenoxaprop-ethyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenoxycarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenpiclonil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenpropathrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenpropidin	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenpropimorph	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenpyroximate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fensulfothion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenthion	Milk	306	306	0	0		0.05	0.002	GC-MS/MS	P
Fenthion oxon	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenthion oxon sulfone	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Fenthion oxon sulfoxide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenthion sulfone	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Fenthion sulfoxide	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Fenthion-ethyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fentrazamide	Milk	306	306	0	0		0.02	0.01	LC-MS/MS	P
Fenvalerate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ferimzone	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fipronil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fipronil sulfide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fipronil sulfone	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Flamprop	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Flamprop-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Flazasulfuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Florfenicol	Milk	306	306	0	0		0.0007	0.0007	LC-MS/MS	A6
Fluacrypyrim	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fluazifop-P-butyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fluazinam	Milk	28	28	0	0		0.02	0.02	GC-MS/MS	P
Flubendazole	Milk	155	155	0	0		0.01	0.009	LC-MS/MS	B
Flubendazole	Milk	306	306	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/l	LoR mg/l	Method	Code***
Flubendiamide	Milk	306	306	0	0		0.02	0.02	LC-MS/MS	P
Flucythrinate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fludioxonil	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Flufenacet	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Flumethrin	Milk	306	306	0	0		0.01	0.005	GC-ECD	P
Flumiclorac-pentyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Flumioxazin	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Flunixin	Milk	155	155	0	0		0.002	0.0052*	GC-MS/MS	NS
Fluometuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fluopicolide	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fluopyram	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fluquinconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fluridone	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Flusilazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fluthiacet-methyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Flutolanil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Flutriafol	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fluvalinate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fomesafen	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Fonofos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Forchlorfenuron	Milk	306	306	0	0		0.02	0.005	LC-MS/MS	P
Formetanate hydrochloride	Milk	28	28	0	0		0.02	0.02	LC-MS/MS	P
Fosthiazate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fuberidazole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Furalaxyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Furametpyr	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Furathiocarb	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Glyphosate	Milk	60	60	0	0		0.01	0.01	LC-MS/MS	O
Halosulfuron-methyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Haloxyfop-etotyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Haloxyfop-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor endo-epoxide	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Heptachlor exo-epoxide	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor-epoxide	Milk	28	28	0	0		0.01	0.01	GC-MS/MS	P
Heptenophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Hexachlorobenzene	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Hexaconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Hexadecylpyridiniumammonium chloride (C16-PY)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
Hexadecyltrimethylammonium chloride (TM-C16)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
Hexaflumuron	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Hexazinone	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Hexythiazox	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Imazalil	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Imazamethabenz-methyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Imazosulfuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Imidacloprid	Milk	306	306	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/l	LoR mg/l	Method	Code***
Imidacloprid-5-Hydroxy	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Imidacloprid-Olefin	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Inabenfide	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Indanofan	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Indoxacarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Iodofenphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Iodosulfuron-methyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Iprobenfos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Iprodione	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Iprovalicarb	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Isazofos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Isofenphos	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Isofenphos-methyl	Milk	306	306	0	0		0.02	0.005	LC-MS/MS	P
Isoproc carb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Isoprothiolane	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Isoproturon	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Isopyrazam	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Isoxathion	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Ivermectin	Milk	155	155	0	0		0.01	0.002	HPLC-FL	ML
Kanamycin	Milk	306	306	0	0		0.1	0.1	Microbial Inhibition	MIT
Karbutilate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Ketoprofen	Milk	155	155	0	0		0.002	0.0047*	GC-MS/MS	NS
Kresoxim-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Lactofen	Milk	306	306	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	155	138	17	0	●	0.02	0.001	Wet oxidation/ICPMS	EL
Lenacil	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Leptophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Levamisole	Milk	155	155	0	0		0.1	0.012	LC-MS/MS	B
Lindane (γ-HCH)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Linuron	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Lufenuron	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Maduramicin	Milk	60	60	0	0		0.022	0.067*	LC-MS/MS	PC
Malathion	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Mandipropamid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Mebendazole	Milk	155	155	0	0		0.01	0.01	LC-MS/MS	B
Mefenacet	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Mefenpyr-diethyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Melamine	Milk	155	155	0	0		0.27	0.1	LC-MS/MS	O
Mepaniprim	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Mepronil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Mercury- (Total)	Milk	155	155	0	0		0.001	0.001	Acid digest/ICPMS	EL
Mesotrione	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Metalaxyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Metamitron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Metconazole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Methabenzthiazuron	Milk	306	306	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/l	LoR mg/l	Method	Code***
Methacrifos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Methamidophos	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Methidathion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb sulfone	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Methiocarb sulfoxide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Methomyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Methoxychlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Methoxyfenozide	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Metobromuron	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Metolachlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Metominostrobin (E)	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Metominostrobin (Z)	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Metosulam	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Metrafenone	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Metribuzin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Metsulfuron-methyl	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Mevinphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Mirex	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Molinate	Milk	306	306	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	306	306	0	0		0.01	0.005	LC-MS/MS	P
Monolinuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Moxidectin	Milk	155	155	0	0		0.04	0.002	HPLC-FL	ML
Myclobutanil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Nafcillin sodium salt monohydrate	Milk	306	306	0	0		0.03	0.004	Copan	IS
Napropamide	Milk	306	306	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-benzyl dimethyldecylammonium chloride (BDM-C10)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethylhexadecylammonium chloride (BDM-C16)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyloctadecylammonium chloride (BDM-C18)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyltetradecylammonium chloride (BDM-C14)	Milk	60	59	1	0	●	0.1	0.01	LC-MS/MS	QAC
N-didecyl dimethylammonium chloride (DM-DC10)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyl dimethylammonium chloride (DM-DC12)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
Neomycin	Milk	306	306	0	0		1.6**	1.6	Copan	IS
Nicotine	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Nitrofen	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Nitrothal-isopropyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Norflurazon	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Novaluron	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Octhilinone	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Oleandomycin	Milk	306	306	0	0		0.1	0.05	Microbial Inhibition	MIT
Omethoate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Oryzalin	Milk	306	306	0	0		0.02	0.01	LC-MS/MS	P

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
Oxabetrinil	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Oxadiazon	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Oxadixyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Oxamyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Oxycarboxin	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Oxychlorodane	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Oxyfluorfen	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Oxytetracycline	Milk	306	306	0	0		0.1	0.015	Microbial Inhibition	MIT
Oxytetracycline dihydrate	Milk	306	306	0	0		0.5**	0.5	Copan	IS
Pacllobutrazol	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Parathion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Parathion-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Penconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pencycuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Pendimethalin	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Penicillin G	Milk	306	306	0	0		0.002	0.0004	Microbial Inhibition	MIT
Penicillin G	Milk	306	306	0	0		0.002	0.002	Copan	IS
Pentachlorobenzene	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Penthiopyrad	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Permethrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Perthan	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Phenmedipham	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Phenthoate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Phenylbutazone	Milk	155	155	0	0		0.002	0.007*	GC-MS/MS	NS
Phorate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfone	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfoxide	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Phosalone	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Phosmet	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Phosphamidon	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Phoxim	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Picolinafen	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Piperonyl butoxide	Milk	306	305	1	0	●	0.01	0.002	GC-MS/MS	P
Piperophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pirimicarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pirimiphos-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pretilachlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Prochloraz	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Procymidone	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Profenofos	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Promecarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Prometryn	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Propachlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Propamocarb	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Propanil	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Propaphos	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Propaquizafop	Milk	306	306	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/l	LoR mg/l	Method	Code***
Propargite	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Propazine	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Propetamphos	Milk	306	306	0	0		0.1	0.002	GC-MS/MS	P
Propham	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Propiconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Propoxur	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Propyzamide	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Proquinazid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Prosulfocarb	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Prothiofos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pymetrozine	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Pyraclfos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyraclostrobin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyraflufen-ethyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyrasulfotole	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Pyrazophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyrethrins	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Pyributicarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyridaben	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyridaphenthion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyrifenox	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Pyriftalid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Pyrimethanil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyrimidifen	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (E)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (Z)	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyriproxyfen	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyroquilon	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Pyroxsulam	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Quinalphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Quinoclamine	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Quinoxifen	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Quintozene	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Quizalofop-ethyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Rimsulfuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Saflufenacil	Milk	306	306	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	306	306	0	0		0.01	0.002	GC-MS/MS	P
SEM (Nitrofurazone)	Milk	306	306	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	306	306	0	0		0.01	0.002	LC-MS/MS	P
Simazine	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Simeconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Simetryn	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Sodium monofluoroacetate	Milk	306	306	0	0		0.001	0.001	LC-MS/MS	O
Spinetoram	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Spinosad	Milk	306	306	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/l	LoR mg/l	Method	Code***
Spiramycin	Milk	306	306	0	0		0.1	0.04	Microbial Inhibition	MIT
Spiromesifen	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Spiromesifen enol	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Spirotramat	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Spirotramat enol	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Spirotramat enol-glucoside	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Spirotramat-keto-hydroxy	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Spirotramat-mono-hydroxy	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Spiroxamine	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Streptomycin	Milk	306	306	0	0		0.1	0.02	Microbial Inhibition	MIT
Streptomycin sulfate salt	Milk	306	306	0	0		2.0**	2	Copan	IS
Sulfacetamide sodium salt	Milk	306	306	0	0		0.2**	0.2	Copan	IS
Sulfadiazine	Milk	306	306	0	0		0.1	0.05	Copan	IS
Sulfamethazine	Milk	306	306	0	0		0.1	0.1	Copan	IS
Sulfamethoxazole	Milk	306	306	0	0		0.1	0.05	Copan	IS
Sulfentrazone	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Sulfisazole	Milk	306	306	0	0		0.1	0.025	Copan	IS
Sulphadimethoxine	Milk	306	306	0	0		0.1	0.05	Copan	IS
Sulphadoxine	Milk	306	306	0	0		0.2**	0.2	Copan	IS
Sulphamerazine	Milk	306	306	0	0		0.1	0.1	Copan	IS
Sulphapyridine	Milk	306	306	0	0		0.2**	0.2	Copan	IS
Sulprofos	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Tebuconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tebufenozide	Milk	306	306	0	0		0.02	0.01	LC-MS/MS	P
Tebufenpyrad	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tebuthiuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Tecnazene	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Teflubenzuron	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Tefluthrin	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Temephos	Milk	306	306	0	0		0.1	0.005	LC-MS/MS	P
Tepraloxymid	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Terbacil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Terbufos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Terbumeton	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Terbuthylazine	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Terbutryn	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tetrachlorvinphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tetraconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tetracycline	Milk	306	306	0	0		0.1	0.015	Microbial Inhibition	MIT
Tetracycline	Milk	306	306	0	0		0.5**	0.5	Copan	IS
Tetracycline	Milk	306	306	0	0		0.1	0.05	ELISA	IS
Tetradifon	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tetrahydrophthalimide	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Thenylchlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Thiabendazole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Thiacloprid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Thiamethoxam	Milk	306	306	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/l	LoR mg/l	Method	Code***
Thiazopyr	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Thidiazuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Thiobencarb	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Thiocyclam hydrogenoxalate	Milk	28	28	0	0		0.01	0.01	LC-MS/MS	P
Thiometon	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tiadinil	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Tin	Milk	155	154	1	0	●	0.1	0.005	Acid digest/ICPMS	EL
Tolclofos-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tolyfluanid	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Tralkoxydim	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Transfluthrin	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Triadimefon	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Triadimenol	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Tri-allate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Triasulfuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Triazophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tribenuron-methyl	Milk	306	306	0	0		0.02	0.005	LC-MS/MS	P
Tribufos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Trichlorfon	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Triclabendazole	Milk	155	155	0	0		0.01	0.017*	LC-MS/MS	B
Tricyclazole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Trifloxystrobin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Trifloxysulfuron-sodium	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Triflumizole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Triflumuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Trifluralin	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Triflusulfuron-methyl	Milk	306	306	0	0		0.02	0.002	LC-MS/MS	P
Triforine	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Triticonazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tylosin	Milk	306	306	0	0		0.05	0.011	Microbial Inhibition	MIT
Uniconazole	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Vamidothion	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Vinclozolin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
XMC	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Zoxamide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
2-Phenylphenol	Milk	306	306	0	0		0.01	0.002	GC-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 reported limit did exceed the action limit threshold

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/l	LoR mg/l	Method	Code***
Abamectin	Colostrum	10	9	1	0	●	0.005	0.002	HPLC-FL	ML
Benzyl dimethyl dodecyl ammonium chloride (BDM-C12)	Colostrum	10	9	1	0	●	0.1	0.01	LC-MS/MS	QAC
Bismuth	Colostrum	10	7	3	0	●	No MRL required	0.001	Acid Digest/ICPMS	EL
DDE (p,p') ****	Colostrum	10	8	1	1	⊖	0.02	0.002	GC-MS/MS	P
Lead	Colostrum	10	9	1	0	●	0.2	0.001	Wet oxidation/ICP MS	EL
N-benzyl dimethyl tetradecyl ammonium chloride (BDM-C14)	Colostrum	10	9	1	0	●	0.1	0.01	LC-MS/MS	QAC
Penicillin G	Colostrum	10	9	1	0	●	0.004	0.0004	Microbial Inhibition	MIT

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 reported limit did exceed the action limit threshold

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/l	LoR mg/l	Method	Code***
Abamectin	Colostrum	10	9	1	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
Acetamidiprid	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Acetamidiprid-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
Acifluorfen	Colostrum	10	10	0	0		0.01	0.01	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)	Colostrum	10	10	0	0		0.001	0.001	LC-MS/MS	N

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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)	Colostrum	10	10	0	0		0.001	0.001	LC-MS/MS	N
Ampicillin	Colostrum	10	10	0	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)	Colostrum	10	10	0	0		0.001	0.001	LC-MS/MS	N
Arsenic	Colostrum	10	10	0	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
Benfuracarb	Colostrum	10	10	0	0		0.05	0.05	LC-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		0.02	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	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		0.01	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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
Captan	Colostrum	10	10	0	0		0.01	0.05*	GC-ECD	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	10	0	0		0.02	0.008	Microbial Inhibition	MIT
Cefalonium	Colostrum	10	10	0	0		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
Chlorbufam	Colostrum	10	10	0	0		0.02	0.02	LC-MS/MS	P
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
Chlorothalonil	Colostrum	10	10	0	0		0.01	0.01	GC-MS/MS	P
Chlorotoluron	Colostrum	10	10	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Colostrum	10	10	0	0		0.02	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
Clodinafop-propargyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Clofentazine	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	10	0	0		0.03	0.015	Copan	IS
Cobalt	Colostrum	10	8	2	0	●	0.1	0.002	Acid digest/ICPMS	EL
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
Cyclanilide	Colostrum	10	10	0	0		0.01	0.01	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
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	8	1	1	⊖	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
Di-allate	Colostrum	10	10	0	0		0.01	0.01	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
Dichlofuanid	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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
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
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
Dodine	Colostrum	10	10	0	0		0.01	0.01	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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
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
Fenclorphanos	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
Fluazifop-P-butyl	Colostrum	10	10	0	0		0.01	0.002	GC-MS/MS	P
Fluazinam	Colostrum	10	10	0	0		0.02	0.02	GC-MS/MS	P
Flubendazole	Colostrum	10	10	0	0		0.01	0.009	LC-MS/MS	B
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
Fomesafen	Colostrum	10	10	0	0		0.01	0.01	LC-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
Formetanate hydrochloride	Colostrum	10	10	0	0		0.02	0.02	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		0.02	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
Heptachlor-epoxide	Colostrum	10	10	0	0		0.01	0.01	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
Imazalil	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/l	LoR mg/l	Method	Code***
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
Inabenfide	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
Isoproc carb	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	6	4	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
Lufenuron	Colostrum	10	10	0	0		0.01	0.01	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
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
Mepaniprim	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
Metaxyl	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
Melconazole	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-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	9	1	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
Neomycin	Colostrum	10	10	0	0		1.6**	1.6	Copan	IS
Nicotine	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
Novaluron	Colostrum	10	10	0	0		0.01	0.005	LC-MS/MS	P
Octhilinone	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	9	1	0	•	0.004	0.0004	Microbial Inhibition	MIT
Penicillin G	Colostrum	10	10	0	0		0.002	0.002	Copan	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
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
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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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
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
Pyroxulam	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)	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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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		0.1	0.04	Microbial Inhibition	MIT
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
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
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
Teflubenzuron	Colostrum	10	10	0	0		0.01	0.01	LC-MS/MS	P
Tefluthrin	Colostrum	10	10	0	0		0.02	0.002	GC-MS/MS	P
Tepraloxdim	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
Terbuthylazine	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		0.1	0.015	Microbial Inhibition	MIT
Tetracycline	Colostrum	10	10	0	0		0.5**	0.5	Copan	IS
Tetracycline	Colostrum	10	10	0	0		0.1	0.05	ELISA	IS
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

Compound	Matrix	Samples tested	Not detected	Detection above reporting limit	Detection above action limit	Flag	Action limit mg/l	LoR mg/l	Method	Code***
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
Thiocyclam hydrogenoxalate	Colostrum	10	10	0	0		0.01	0.01	LC-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
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
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		0.02	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
2-Phenylphenol	Colostrum	10	10	0	0		0.01	0.002	GC-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 reported limit did exceed the action limit threshold

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	155	133	22	0		max. 1.0 mg/L	n.d.	0.6616	Acid digest/ICPMS	EL
Aluminium	Colostrum	10	9	1	0		max. 0.25 mg/L	n.d.	0.2132	Acid digest/ICPMS	EL
Boron	Milk	155	7	147	1	●	max. 1.0 mg/L	n.d.	1.0723	Acid digest/ICPMS	EL
Boron	Colostrum	10	7	2	1	●	max. 1 mg/L	n.d.	1.3389	Acid digest/ICPMS	EL
Chromium	Milk	155	153	2	0		max. 0.2 mg/L	n.d.	0.0044	Acid digest/ICPMS	EL
Chromium	Colostrum	10	10	0	0		max. 0.2 mg/L	n.d.	n.d.	Acid digest/ICPMS	EL
Cobalt	Milk	155	153	2	0		max. 0.1 mg/L	n.d.	0.0369	Acid digest/ICPMS	EL
Cobalt	Colostrum	10	8	2	0		max. 0.1 mg/L	n.d.	0.0062	Acid digest/ICPMS	EL
Copper	Milk	155	0	152	3	●	max. 0.15 mg/L	0.008	0.2461	Acid digest/ICPMS	EL
Copper	Colostrum	10	0	9	1	●	max. 0.15 mg/L	0.0251	0.1875	Acid digest/ICPMS	EL
Iodine	Milk	155	0	155	0		max. 1.5 mg/L	0.0021	0.373	TMAH Digestion/ICPMS	EL
Iodine	Colostrum	10	0	10	0		max. 1.5 mg/L	0.0016	0.2074	TMAH Digestion/ICPMS	EL
Iron	Milk	155	153	2	0		max. 5.0 mg/L	n.d.	0.5484	Acid digest/ICPMS	EL
Iron	Colostrum	10	9	1	0		max. 10 mg/L	n.d.	7.8456	Acid digest/ICPMS	EL
Selenium	Milk	155	5	150	0		max. 2.0 mg/L	n.d.	0.0473	Acid digest/ICPMS	EL
Selenium	Colostrum	10	0	10	0		max. 2 mg/L	0.0101	0.0796	Acid digest/ICPMS	EL
Urea	Milk	306	0	306	0		min. 7.0 and max. 70 mg/dL	8.4	58.8	FTIR	MC
Zinc	Milk	155	0	155	0		max. 10 mg/L	2.2538	9.2306	Acid digest/ICPMS	EL
Zinc	Colostrum	10	0	10	0		max. 25 mg/L	3.5932	23.6391	Acid digest/ICPMS	EL
IgG1	Colostrum	10	0	10	0		min. 2.0 g/L	4.89	25.34	ELISA	MC
Sodium thiocyanate	Milk	60	7	53	0	●	max. 20 mg/L	n.d.	13	HPLC-UV	O
Total		1861	654	1201	6						

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
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

