

National Chemical Contaminants Programme

Raw Milk Results Summary (July 2018 to June 2019)

New Zealand Food Safety Technical Paper No: 2020/06

By New Zealand Food Safety

ISBN No: 978-1-99-001749-0 (online)

ISSN No: 2624-022X (online)

April 2020

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1 Summary

This National Chemical Contaminants Programme (NCCP) report provides a summary of results for raw milk and colostrum sampled and tested for a range of residues and contaminants, over the 2018/2019 dairy season, 1 July 2018 to 30 June 2019.

The objectives of the NCCP are to:

- determine whether 99% of raw 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 raw 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, tested and reported separately 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.

Over the 1 July 2018 to 30 June 2019 monitoring period there were no results exceeding New Zealand maximum residue levels (MRLs), confirming that the programmes objectives are being met and the rate of non-conformance for the compounds monitored remains below 1%.

2 Legal framework

Dairy monitoring and surveillance programmes for compounds of interest have been in operation in New Zealand for many years and a national programme for the monitoring of raw milk was introduced in the 1996/97 dairy season. Since that time the programme has become an official programme under the Dairy Industry (National Residue Monitoring Programme) Regulations 2002, where the principal legislation is the Animal Products Act 1999. The NCCP is administered by New Zealand Food Safety.

3 Programme design

The NCCP is designed to confirm the effectiveness of the regulatory controls in place for ensuring residues and contaminants in raw milk and manufactured dairy products do not pose a threat to human health; that Good Agricultural Practice (GAP) is being followed; and that relevant importing country requirements will be met. In addition, surveys are undertaken as necessary to identify new or emerging risk factors, or enhance the understanding of potential issues. Natural background levels for minor components that naturally occur in raw milk are also included.

3.1 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 or 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 New Zealand Food Safety's understanding of the issue and establishes that no form of adulteration or inappropriate farming practice is occurring.

3.2 OTHER TOOLS TO SUPPORT THE NCCP

All testing under the programme is also supported by:

- on-farm verification of milking practices (under New Zealand Food Safety direction);
- testing by industry under their risk management programmes as required by New Zealand Food Safety; 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 raw milk they produce.

4 Sampling and Testing

4.1 WHAT WE TESTED

- Cow, goat, sheep and buffalo raw milk samples were collected over 7 sampling rounds across the period 1 July 2018 to 30 June 2019; and
- 1 targeted cow colostrum round across the period 1 July 2018 to 30 June 2019.

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 raw milk from other farms.

In future, targeted sampling for colostrum will be reported separately from routine monitoring of raw milk.

4.2 WHAT WE LOOKED FOR

More than 500 individual compounds or elements including:

- Veterinary medicines
 - Antibiotics
 - Anthelmintics
 - NSAIDS
- Contaminants
 - Aflatoxins
 - Chemical elements
 - Process contaminants and biocides
- Agricultural compounds
 - Insecticides
 - Herbicides
 - Fungicides
- Other compounds such as withdrawn compounds or those not permitted for food producing animals

In total, 164,414 individual test results (excluding the raw milk integrity results) were obtained for raw milk and colostrum samples.

4.2.1 Raw Milk Integrity

This report also includes a raw milk integrity summary that sets out the testing undertaken for compositional characteristics, components, minerals or other naturally occurring compounds expected in raw 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 inappropriate farming practice is occurring.

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

5 Results

5.1 RAW MILK

Of the 161,669 individual test results for raw milk (excluding colostrum), two results (0.0012%) were above the action limit (Table 1). Both were detections of bismuth. There were 225 reported results (0.14%) at or above the agreed method reporting limit (Table 2).

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

5.2 COLOSTRUM

Of the 2,745 individual test results for colostrum, one result for cephalonium (0.036%) was above the action limit (Table 1). There were 5 reported results (0.18%) above the agreed method reporting limit (Table 2).

There were no results from the testing of agricultural compounds, including veterinary medicines that exceeded New Zealand MRLs, confirming that the programme objectives are being met.

5.3 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/L)	Limit of Reporting (mg/L)	Method	Code ***
Bismuth	Milk	306	166	138	2	☞	0.5	0.001	Acid Digest/ICP-MS	EL
Cephalonium	Colostrum	5	3	1	1	☞	0.02	0.02	Delvotest T*/LC-MS/MS	IS

Notes

Detections 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, unless the detection is confirmed by a LC-MS/MS method.

* Confirmatory testing following presumptive positive result

*** Refer to Table 9 for code

☞ The test result was above the action limit

+ Matrix milk refers to raw milk at the farm bulk milk tank prior to any further consolidation, co-mingling or dilution with raw milk from other farms

5.3.1 Bismuth

Bismuth is an inert compound used in internal teat sealants that are registered in New Zealand for use when cows are dried off at the end of lactation. Internal teat sealants work by physically occluding the teat canal and preventing entry of bacteria to the udder during the non-lactation period. They 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.

There is an exemption from compliance with a MRL for bismuth when used as an oral treatment, or when used as an intra-mammary teat sealant in accordance with label instructions.

When used as a teat sealant, the expectation is that the insoluble plug is stripped from the teat and discarded within the first milkings after calving, and before raw milk is collected for human consumption.

The action limit has been set to verify Good Agricultural Practice, and was based on the expected bismuth residue profile. Findings above the action limit may indicate that the teat sealant has not been effectively stripped at the first milking after calving, or that some material has migrated from the teat canal into the gland during the non-lactation period. These findings could also indicate that the action limit requires review, as the industry shifts towards an increased use of internal teat sealants for mastitis prevention and away from antibiotic mastitis treatment.

The presence of bismuth above the current action limit is not a food safety concern, as the oral bioavailability and absorption of bismuth is negligible after consumption.

As such, further investigation was not necessary. New Zealand Food Safety will continue to monitor bismuth results, investigate any unexpected results and review the action limit as needed.

Many countries exempt bismuth from residue requirements due to its inert nature and limited use as a veterinary treatment.

5.3.2 Cephalonium

A detection of cephalonium above the action limit was reported in one colostrum sample (result of 0.044 mg/kg). Cephalonium is used as a dry cow therapy in New Zealand¹, so low level detections are not unexpected in colostrum.

5.4 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/L)	Limit of Reporting (mg/L)	Method	Code ***
Arsenic	Milk	306	304	2	0	●	0.01	0.001	TMAH Digestion/ICP-MS	EL
Benzyl butyl phthalate (BBP)	Milk	45	44	1	0	●	1	0.01	GC-MS/MS	Pht
Bis(2-ethylhexyl) adipate (DEHA)	Milk	15	13	2	0	●	1	0.1	GC-MS/MS	Pht
Bismuth	Colostrum	5	4	1	0	●	0.5	0.001	Acid Digest/ICP-MS	EL
Cadmium	Milk	306	304	2	0	●	0.1	0.0002	Acid digest/ICP-MS	EL
DDE (p,p') ****	Milk	306	261	45	0	●	0.02	0.002	GC-MS/MS	P
Diphenylamine	Milk	306	304	2	0	●	0.01	0.002	GC-MS/MS	P
Lead	Milk	306	287	19	0	●	0.02	0.001	Wet oxidation/ICP-MS	EL
Lead	Colostrum	5	3	2	0	●	0.02	0.001	Wet oxidation/ICP-MS	EL
Moxidectin	Milk	155	154	1	0	●	0.04	0.003	LC-MS/MS	AN
Tin	Milk	306	295	11	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

+ Matrix milk refers to raw milk at the farm bulk milk tank prior to any further consolidation, co-mingling or dilution with raw milk from other farms

5.4.1 Chemical elements

Arsenic, cadmium, lead and tin were reported in raw milk and colostrum. The reported levels did not exceed action limits. As well as the detection for bismuth in milk, bismuth was also reported in colostrum and 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 raw 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 raw 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 raw milk or dairy products.

Arsenic is an environmental contaminant largely associated with historical mining activities in New Zealand. General presence in the environment is very low, although geothermally active areas will have naturally higher background levels in soils and water. Arsenic was historically used in sheep dips and as part of the insecticide lead arsenate. Arsenic is a component of the currently used timber treatment copper chrome arsenate (CCA); burning CCA treated wood can lead to contamination from distribution or disposal of the ash.

¹ [Antibiotic Sales Analysis 2017](#)

Cadmium is a naturally-occurring heavy metal present in low concentrations in air, water and soils. It occurs naturally in phosphate rock – the main ingredient for superphosphate fertiliser. Superphosphate benefits New Zealand's agricultural productivity by improving plant growth. But ongoing use of phosphate-based fertilisers can lead to build up of cadmium in soils. Cadmium concentrations are still relatively low in New Zealand soils. In response to concerns in the late 1990s about cadmium levels in fertilisers, the fertiliser industry in New Zealand voluntarily adopted a limit for cadmium in fertilisers of 280ppm (parts per million).

Tin is a naturally occurring element in the environment, although uptake of environmental sources into food chain is expected to be low. The main route of tin entering the diet is through leaching from tin containing materials or alloys used in food production and storage.

5.4.2 Pesticides

DDE (p,p') was reported in 45 raw milk samples. All detections were below the action limit. While the use of DDT in New Zealand agriculture was banned in the early 1970s, the findings are expected given the long half-life of DDT metabolites.

5.4.3 Process contaminants

Phthalates were reported in 3 raw milk samples. Di(2-ethylhexy) adipate (DEHA) was reported in two raw milk samples and benzyl butyl phthalate (BBP) was reported in one raw milk sample. The reported levels did not exceed action limits. DEHA is not a phthalate but is included within the phthalate group as it shares many similar properties. DEHA has a lesser toxicity than most of the phthalates and its action limit has been established based on levels of the compound reasonably expected to be found in raw milk or dairy products. DEHA has replaced DEHP in some food contact materials (such as milking cup liners). BBP is a phthalate ester that is ubiquitous in the environment. BBP is mainly used as plasticiser in PVC and other polymer materials.

Diphenylamine was reported in two raw milk samples. Diphenylamine may be used in rubberware as well as being associated with some dyes. Although all detections were below the action limit, New Zealand Food Safety is working with industry to identify likely sources and minimise exposure to raw milk or milking animals.

5.4.4 Moxidectin

Moxidectin was reported in one raw milk sample. The reported level did not exceed the action limit. Veterinary medicines containing moxidectin are registered for use in milking animals in New Zealand. Low level detections of the compound are, therefore, not unexpected.

6 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 and Good Practice in the Use of Veterinary Drugs². As with previous years, the 2018/2019 results provide a high level of confidence that New Zealand has appropriate controls in place to ensure its raw milk and dairy products will continue to consistently meet both the New Zealand and the relevant international and importing country standards for chemical residues and contaminants.

Furthermore, New Zealand Food Safety investigates all unusual or unexpected results for the potential cause and initiates either local or system corrective actions as appropriate.

The rate of all detections above the agreed method reporting limits continues to be very low. In the 2018/2019 year the rate was 0.14%, which is consistent with rates in previous years (Figure 1).

² [Codex Alimentarius Commission Procedural Manual](#)

7 Results Tables

7.1 RAW MILK RESULTS – DETECTIONS

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/L)	Limit of Reporting (mg/L)	Method	Code ^{***}
Arsenic	Milk	306	304	2	0	●	0.01	0.001	TMAH Digestion/ICP-MS	EL
Benzyl butyl phthalate (BBP)	Milk	45	44	1	0	●	1	0.01	GC-MS/MS	Pht
Bis(2-ethylhexyl) adipate (DEHA)	Milk	15	13	2	0	●	1	0.1	GC-MS/MS	Pht
Bismuth	Milk	306	166	138	2	⊖	0.5	0.001	Acid Digest/ICP-MS	EL
Cadmium	Milk	306	304	2	0	●	0.1	0.0002	Acid digest/ICP-MS	EL
DDE (p,p') ^{****}	Milk	306	261	45	0	●	0.02	0.002	GC-MS/MS	P
Diphenylamine	Milk	306	304	2	0	●	0.01	0.002	GC-MS/MS	P
Lead	Milk	306	287	19	0	●	0.02	0.001	Wet oxidation/ICP-MS	EL
Moxidectin	Milk	155	154	1	0	●	0.04	0.003	LC-MS/MS	AN
Tin	Milk	306	295	11	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

+ Matrix milk refers to raw milk at the farm bulk milk tank prior to any further consolidation, co-mingling or dilution with raw milk from other farms

7.2 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/L)	Limit of Reporting (mg/L)	Method	Code ^{***}
2-Phenylphenol	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
5-Hydroxyflutixin	Milk	155	155	0	0		0.04	0.002	LC-MS/MS	NS
Abamectin	Milk	305	305	0	0		0.002	0.002	LC-MS/MS	P
Abamectin	Milk	155	155	0	0		0.003	0.003	LC-MS/MS	AN
Acephate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Acetamiprid	Milk	306	306	0	0		0.1	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	242	242	0	0		0.01	0.005	LC-MS/MS	P
Acrinathrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Aflatoxin-M1	Milk	60	60	0	0		0.05 µg/kg	0.018 µg/kg	HPLC	AF
Aflatoxin-M1	Milk	306	306	0	0		0.05 µg/kg	0.005 µg/kg	LC-MS/MS	AF
AHD (Nitrofurantoin)	Milk	306	306	0	0		0.0003	0.0003	LC-MS/MS	N
Alachlor	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Alanycarb	Milk	289	289	0	0		0.01	0.002	LC-MS/MS	P
Albendazole ^A	Milk	155	155	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/L)	Limit of Reporting (mg/L)	Method	Code***
Albendazole sulfone ^A	Milk	155	155	0	0		0.1	0.001	LC-MS/MS	AN
Albendazole sulfone 2-amino ^A	Milk	155	155	0	0		0.1	0.004	LC-MS/MS	AN
Albendazole sulfoxide ^A	Milk	155	155	0	0		0.1	0.001	LC-MS/MS	AN
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
Amoxicillin	Milk	306	306	0	0		0.004	0.0015	MIT	IS
AMOX (Furaltadone)	Milk	306	306	0	0		0.0001	0.0001	LC-MS/MS	N
Ampicillin	Milk	306	306	0	0		0.004	0.002	Delvotest T*	IS
Ampicillin	Milk	306	306	0	0		0.004	0.0015	MIT	IS
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		0.0001	0.0001	LC-MS/MS	N
Arsenic	Milk	306	304	2	0	●	0.01	0.001	TMAH Digestion/ICP-MS	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
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
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		0.01	0.002	LC-MS/MS	P
Bensulide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Benzyl butyl phthalate (BBP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Benzyl butyl phthalate (BBP)	Milk	45	44	1	0	●	1	0.01	GC-MS/MS	Pht
Benzyl dimethyl dodecyl ammonium chloride (BDM-C12)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
Betamethasone	Milk	60	60	0	0		0.0003	0.0003	LC-MS/MS	D
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		0.1	0.002	GC-MS/MS	P
Bioresmethrin	Milk	279	279	0	0		0.01	0.002	GC-MS/MS	P
Bismuth	Milk	306	166	140	2	☹	0.5	0.001	Acid Digest/ICP-MS	EL
Bitertanol	Milk	306	306	0	0		0.05	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)	Limit of Reporting (mg/L)	Method	Code***
Boscalid	Milk	306	306	0	0		0.02	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		0.05	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	306	304	2	0	●	0.1	0.0002	Acid digest/ICP-MS	EL
Cadusafos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Cafenstrole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	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		0.001	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
Carprofen	Milk	155	155	0	0		1	0.005	LC-MS/MS	NS
Carpropamid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Ceftiofur	Milk	306	306	0	0		0.1	0.008	MIT	IS
Cephalexin	Milk	306	306	0	0		0.1	0.012	MIT	IS
Cephalonium	Milk	306	306	0	0		0.02	0.008	MIT	IS
Cephalonium	Milk	306	306	0	0		0.02	0.02	Delvotest T*	IS
Cephuroxime	Milk	306	306	0	0		0.1	0.016	MIT	IS
Chloramphenicol	Milk	306	306	0	0		0.0001	0.0001	LC-MS/MS	A6
Chlorantraniliprole	Milk	306	306	0	0		0.05	0.002	LC-MS/MS	P
Chlordane-cis	Milk	306	306	0	0		0.002	0.002	GC-MS/MS	P
Chlordane-trans	Milk	306	306	0	0		0.002	0.002	GC-MS/MS	P
Chlorfenapyr	Milk	306	306	0	0		0.01	0.005	GC-MS/MS	P
Chlorfenvinphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chloridazon	Milk	306	306	0	0		0.1	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		0.1	0.002	GC-MS/MS	P
Chlorotoluron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Milk	306	306	0	0		0.01	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

Compound	Matrix*	Samples tested	Not Detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/L)	Limit of Reporting (mg/L)	Method	Code***
Chlortetracycline	Milk	306	306	0	0		0.01	0.004	MIT	IS
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
Chlozolate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Chromafenozide	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Cinidon-ethyl	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Clethodim	Milk	290	290	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
Clofentazine	Milk	305	305	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
Cloxacinil	Milk	306	306	0	0		0.015	0.015	Delvotest T*	IS
Coumaphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Coumaphos oxon	Milk	288	288	0	0		0.01	0.002	GC-MS/MS	P
Cruformate	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
Cyantranilprole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Cyanuric acid	Milk	60	60	0	0		0.1	0.1	LC-MS/MS	O
Cyazofamid	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Cycloate	Milk	240	240	0	0		0.01	0.005	LC-MS/MS	P
Cyclosulfamuron	Milk	306	306	0	0		0.01	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
Cyhalothrin	Milk	304	304	0	0		0.05	0.002	GC-MS/MS	P
Cymoxanil	Milk	290	290	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	290	290	0	0		0.01	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	261	45	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

Compound	Matrix*	Samples tested	Not Detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/L)	Limit of Reporting (mg/L)	Method	Code***
Desmedipham	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Dexamethasone	Milk	60	60	0	0		0.0003	0.0003	LC-MS/MS	D
Di(2-ethylhexyl) phthalate (DEHP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Di(2-ethylhexyl) phthalate (DEHP)	Milk	45	45	0	0		1	0.2	GC-MS/MS	Pht
Di(2-ethylhexyl) adipate (DEHA)	Milk	15	13	2	0	●	1	0.1	GC-MS/MS	Pht
Di(2-ethylhexyl) adipate (DEHA)	Milk	45	45	0	0		1	0.2	GC-MS/MS	Pht
Di(2-ethoxyethyl) phthalate (DEEP)	Milk	45	45	0	0		1	0.1	GC-MS/MS	Pht
Di(2-ethylhexyl) terephthalate (DEHT)	Milk	45	45	0	0		60	0.1	GC-MS/MS	Pht
Di(2-n-butoxyethyl) phthalate (DBEP)	Milk	45	45	0	0		1	0.1	GC-MS/MS	Pht
Di(2-methoxyethyl) phthalate (DMEP)	Milk	45	45	0	0		1	0.1	GC-MS/MS	Pht
Di(4-methyl-2-pentyl) phthalate (BMPP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Diallyl phthalate (DAP)	Milk	45	45	0	0		0.01	0.01	GC-MS/MS	Pht
Diazinon	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Dichlobenil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dichlofenthion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dichlofluanid	Milk	292	292	0	0		0.01	0.01	LC-MS/MS	P
Dichlorobenzophenone (Dicofol-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
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
Dicyclohexyl phthalate (DCHP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Didecyl phthalate (DDP)	Milk	15	15	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	15	15	0	0		1	0.1	GC-MS/MS	Pht
Diethyl phthalate (DEP)	Milk	45	45	0	0		1	0.2	GC-MS/MS	Pht
Difenoconazole	Milk	306	306	0	0		0.005	0.002	GC-MS/MS	P
Diflubenzuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Diflufenican	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dihexyl phthalate	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Dihydrostreptomycin	Milk	306	306	0	0		0.02	0.02	MIT	IS
Diisobutyl phthalate (DIBP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Diisobutyl phthalate (DIBP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Diisodecyl phthalate (DIDP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Diisodecyl phthalate (DIDP)	Milk	45	45	0	0		1	0.1 [§]	GC-MS/MS	Pht
Diisononyl-phthalate (DINP)	Milk	15	15	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)	Limit of Reporting (mg/L)	Method	Code***
Diisononyl-phthalate (DINP)	Milk	45	45	0	0		1	0.1	GC-MS/MS	Pht
Diisooctyl phthalate (DIOP)	Milk	45	45	0	0		1	0.1	GC-MS/MS	Pht
Diisopropyl phthalate (DIP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Diisopropyl phthalate (DIP)	Milk	45	45	0	0		1	0.01	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 isophthalate (DMIP)	Milk	45	45	0	0		0.05	0.01	GC-MS/MS	Pht
Dimethyl phthalate (DMP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Dimethyl phthalate (DMP)	Milk	45	45	0	0		1	0.02	GC-MS/MS	Pht
Dimethylditetradecylammonium chloride (DM-DC14)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
Dimethylvinphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Di-n-butyl phthalate (DBP)	Milk	15	15	0	0		0.3	0.1	GC-MS/MS	Pht
Di-n-butyl phthalate (DBP)	Milk	45	45	0	0		0.3	0.1	GC-MS/MS	Pht
Di-n-decyl phthalate (DDP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Di-n-heptyl phthalate (DNHP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Di-n-heptyl phthalate (DNHP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Di-n-hexyl phthalate (DHXP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Di-n-nonyl phthalate (DNP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Di-n-octyl phthalate (DNOP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Di-n-octyl phthalate (DNOP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Di-n-pentyl phthalate (DNPP)	Milk	15	15	0	0		1	0.1	GC-MS/MS	Pht
Di-n-pentyl phthalate (DNPP)	Milk	45	45	0	0		1	0.1	GC-MS/MS	Pht
Di-n-undecyl phthalate (DUP)	Milk	45	45	0	0		1	0.5	GC-MS/MS	Pht
Dioxabenzofos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Dioxathion	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Diphenamid	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Diphenylamine	Milk	306	304	2	0	●	0.01	0.002	GC-MS/MS	P
Diphenyl phthalate (DPP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
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
Doramectin	Milk	155	155	0	0		0.003	0.003	LC-MS/MS	AN
Edifenphos	Milk	279	279	0	0		0.01	0.002	GC-MS/MS	P
Emamectin benzoate	Milk	306	306	0	0		0.002	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		0.002	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		0.01	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)	Limit of Reporting (mg/L)	Method	Code***
Epoxiconazole	Milk	306	306	0	0		0.002	0.002	GC-MS/MS	P
Eprinomectin	Milk	155	155	0	0		0.02	0.003	LC-MS/MS	AN
EPTC	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Erythromycin	Milk	306	306	0	0		0.01	0.01	MIT	IS
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		0.01	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	271	271	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	305	305	0	0		0.01	0.002	LC-MS/MS	P
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
Etrifos	Milk	306	306	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	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenamidone	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenamiphos	Milk	306	306	0	0		0.002	0.002	LC-MS/MS	P
Fenarimol	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenbendazole ^A	Milk	155	155	0	0		0.01	0.001	LC-MS/MS	AN
Fenbendazole sulfone ^A	Milk	155	155	0	0		0.01	0.001	LC-MS/MS	AN
Fenbendazole sulfoxide ^A	Milk	155	155	0	0		0.01	0.001	LC-MS/MS	AN
Fenbuconazole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fenchlorphos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenhexamid	Milk	290	290	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	305	305	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
Fenpropadin	Milk	288	288	0	0		0.005	0.002	LC-MS/MS	P
Fenpropathrin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenpropimorph	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenpyroximate	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/L)	Limit of Reporting (mg/L)	Method	Code***
Fensulfothion	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Fenthion	Milk	306	306	0	0		0.01	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		0.01	0.002	GC-MS/MS	P
Fenthion sulfoxide	Milk	306	306	0	0		0.01	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		0.01	0.01	LC-MS/MS	P
Fenvalerate	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Ferimzone	Milk	290	290	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	305	305	0	0		0.01	0.002	LC-MS/MS	P
Flamprop	Milk	272	272	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	O
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
Flubendazole	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Flubendazole ^A	Milk	155	155	0	0		0.1	0.001	LC-MS/MS	AN
Flubendazole amine ^A	Milk	155	155	0	0		0.1	0.002	LC-MS/MS	AN
Flubendiamide	Milk	306	306	0	0		0.1	0.02	LC-MS/MS	P
Flucythrinate	Milk	306	306	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	306	306	0	0		0.01	0.002	LC-MS/MS	P
Flumethrin	Milk	304	304	0	0		0.03	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		0.04	0.002	LC-MS/MS	NS
Fluometuron	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Fluopicolide	Milk	306	306	0	0		0.02	0.002	GC-MS/MS	P
Fluopyram	Milk	306	306	0	0		0.3	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		0.01	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
Fonofos	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)	Limit of Reporting (mg/L)	Method	Code***
Forchlorfenuron	Milk	305	305	0	0		0.01	0.005	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		0.01	0.002	LC-MS/MS	P
Furathiocarb	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Gentamicin*	Milk	306	306	0	0		0.1	0.3	Deltovest T*	IS
Glyphosate	Milk	60	60	0	0		0.05	0.01	LC-MS/MS	O
Halosulfuron-methyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Haloxypop-etotyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Haloxypop-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Heptachlor	Milk	306	306	0	0		0.004	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
Heptenophos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Hexachlorobenzene (HCB)	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
Hexadecylpyridiniumamm onium chloride (C16-PY)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
Hexadecyltrimethylammoni um chloride (TM-C16)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
Hexaflumuron	Milk	238	238	0	0		0.01	0.01	LC-MS/MS	P
Hexazinone	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Hexyl 2-ethylhexyl phthalate (HEHP)	Milk	45	45	0	0		1	0.01	GC-MS/MS	Pht
Hexythiazox	Milk	305	305	0	0		0.05	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		0.1	0.005	LC-MS/MS	P
Imidacloprid-olefin	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Inabنفide	Milk	306	306	0	0		0.01	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		0.1	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		0.01	0.005	LC-MS/MS	P
Isoprocab	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

Compound	Matrix*	Samples tested	Not Detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/L)	Limit of Reporting (mg/L)	Method	Code***
Isoprazam	Milk	306	306	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	155	155	0	0		0.01	0.003	LC-MS/MS	AN
Kanamycin	Milk	306	306	0	0		0.1	0.1	MIT	IS
Karbutilate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Ketoprofen	Milk	155	155	0	0		0.1	0.005	LC-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		0.015	0.015	LC-MS/MS	PC
Lead	Milk	306	287	19	0	●	0.02	0.001	Wet oxidation/ICP-MS	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		0.001	0.001	LC-MS/MS	AN
Lindane	Milk	306	306	0	0		0.002	0.002	GC-MS/MS	P
Linuron	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Maduramicin	Milk	60	60	0	0		0.1	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		0.002	0.002	LC-MS/MS	AN
Mebendazole 5-hydroxy	Milk	155	155	0	0		0.002	0.002	LC-MS/MS	AN
Mebendazole amine	Milk	155	155	0	0		0.002	0.002	LC-MS/MS	AN
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	60	60	0	0		0.1	0.1	LC-MS/MS	O
Meloxicam	Milk	155	155	0	0		0.015	0.002	LC-MS/MS	NS
Mepanipyrin	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Mepronil	Milk	301	301	0	0		0.01	0.002	GC-MS/MS	P
Mercury- (Total)	Milk	306	306	0	0		0.001	0.001	Acid digest/ICP-MS	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
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		0.002	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	290	290	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		0.05	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)	Limit of Reporting (mg/L)	Method	Code***
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		0.01	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	295	295	0	0		0.01	0.002	GC-MS/MS	P
Monensin*	Milk	60	60	0	0		0.009	0.009	LC-MS/MS	PC
Monocrotophos	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Monolinuron	Milk	290	290	0	0		0.01	0.002	LC-MS/MS	P
Moxidectin	Milk	155	154	1	0	●	0.04	0.003	LC-MS/MS	AN
Myclobutanil	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Napropamide	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Narasin	Milk	60	60	0	0		0.1	0.017	LC-MS/MS	PC
N-benzyltrimethyldecylammonium chloride (BDM-C10)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethylhexadecylammonium chloride (BDM-C16)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethyloctadecylammonium chloride (BDM-C18)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyltrimethyltetradecylammonium chloride (BDM-C14)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-didecyltrimethylammonium chloride (DM-DC10)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyltrimethylammonium chloride (DM-DC12)	Milk	60	60	0	0		0.1	0.01	LC-MS/MS	QAC
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	222	222	0	0		0.1	0.005	LC-MS/MS	P
Ocethalim	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Oleandomycin	Milk	306	306	0	0		0.05	0.05	MIT	IS
Omethoate	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Oryzalin	Milk	306	306	0	0		0.01	0.01	LC-MS/MS	P
Oxabetrinil	Milk	209	209	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

Compound	Matrix*	Samples tested	Not Detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/L)	Limit of Reporting (mg/L)	Method	Code***
Oxychlordane	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
Oxyphenbutazone	Milk	155	155	0	0		0.005	0.005	LC-MS/MS	NS
Oxytetracycline*	Milk	306	306	0	0		0.01	0.085	Delvotest T*	IS
Oxytetracycline*	Milk	306	306	0	0		0.01	0.015	MIT	IS
Paclobutrazol	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	Milk	306	306	0	0		0.004	0.002	Delvotest T*	IS
Penicillin	Milk	306	306	0	0		0.004	0.0004	MIT	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	0.002	LC-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		0.01	0.002	GC-MS/MS	P
Phosphamidon	Milk	306	306	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	306	306	0	0		0.01	0.002	GC-MS/MS	P
Piperonyl butoxide	Milk	306	306	0	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
Pretlachlor	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	290	290	0	0		0.01	0.01	LC-MS/MS	P
Propaphos	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)	Limit of Reporting (mg/L)	Method	Code***
Propaquizafop	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
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		0.01	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	305	305	0	0		0.01	0.002	LC-MS/MS	P
Prosulfocarb	Milk	239	239	0	0		0.01	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
Pyraclofos	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Pyraclostrobin	Milk	279	279	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	289	289	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	305	305	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	289	289	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (Z)	Milk	289	289	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	290	290	0	0		0.01	0.005	LC-MS/MS	P
Quinoxifen	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Quintozone	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		0.1	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		0.0005	0.0005	LC-MS/MS	N
Semduramicin	Milk	60	60	0	0		0.1	0.06	LC-MS/MS	PC
Sethoxydim	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)	Limit of Reporting (mg/L)	Method	Code***
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	60	60	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
Spiramycin	Milk	306	306	0	0		0.04	0.04	MIT	IS
Spiromesifen enol	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Spiromesifen	Milk	305	305	0	0		0.01	0.005	LC-MS/MS	P
Spirotetramat	Milk	306	306	0	0		0.002	0.002	LC-MS/MS	P
Spirotetramat enol	Milk	306	306	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat enol-glucoside	Milk	306	306	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat-keto-hydroxy	Milk	306	306	0	0		0.002	0.002	LC-MS/MS	P
Spirotetramat-mono-hydroxy	Milk	306	306	0	0		0.002	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		0.02	0.02	MIT	IS
Sulfadiazine	Milk	306	306	0	0		0.1	0.1	Delvotest T*	IS
Sulfentazone	Milk	306	306	0	0		0.01	0.005	LC-MS/MS	P
Sulprofos	Milk	305	305	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		0.01	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
Tefluthrin	Milk	306	306	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	306	306	0	0		0.01	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
Terbutylazine	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		0.05	0.05	SNAP (tetracycline)	IS
Tetracycline*	Milk	306	306	0	0		0.01	0.015	MIT	IS
Tetradifon	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tetrahydrophthalimide 1,2,3,6	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		0.05	0.002	LC-MS/MS	P
Thiamethoxam	Milk	306	306	0	0		0.05	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)	Limit of Reporting (mg/L)	Method	Code***
Thiazopyr	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Thidiazuron	Milk	288	288	0	0		0.01	0.002	LC-MS/MS	P
Thiobencarb	Milk	304	304	0	0		0.01	0.002	GC-MS/MS	P
Thiometon	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tiadinil	Milk	290	290	0	0		0.01	0.002	LC-MS/MS	P
Tin	Milk	306	295	11	0	●	0.1	0.005	Acid digest/ICP-MS	EL
Tolclofos-methyl	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Tolfenamic acid	Milk	155	155	0	0		0.05	0.002	LC-MS/MS	NS
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	262	262	0	0		0.01	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 ^A	Milk	155	155	0	0		0.01	0.005	LC-MS/MS	AN
Triclabendazole sulfone ^A	Milk	155	155	0	0		0.01	0.005	LC-MS/MS	AN
Triclabendazole sulfoxide ^A	Milk	155	155	0	0		0.01	0.01	LC-MS/MS	AN
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	305	305	0	0		0.01	0.002	LC-MS/MS	P
Trifluralin	Milk	306	306	0	0		0.01	0.002	GC-MS/MS	P
Triflusulfuron-methyl	Milk	306	306	0	0		0.01	0.002	LC-MS/MS	P
Triforine	Milk	257	257	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	0.05	Delvotest T*	IS
Tylosin	Milk	306	306	0	0		0.05	0.033	MIT	IS
Uniconazole-P	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

Notes

Detections 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, unless the detection is confirmed by a LC-MS/MS method.

[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
- ^ Final result takes into account the residue definition
- & The LoR was raised for 2 samples to 0.5 mg/kg
- + Matrix milk refers to raw milk at the farm bulk milk tank prior to any further consolidation, co-mingling or dilution with raw milk from other farms

7.3 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/L)	Limit of Reporting (mg/L)	Method	Code***
Bismuth	Colostrum	5	4	1	0	•	0.5	0.001	Acid Digest/ICP-MS	EL
Cephalonium	Colostrum	5	3	1	1	⊖	0.02	0.02	Delvotest T*/LC-MS/MS	IS
Lead	Colostrum	5	3	2	0	•	0.02	0.001	Wet oxidation/ICP-MS	EL

Notes

Detections 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, unless the detection is confirmed by a LC-MS/MS method.

*** Refer to Table 9 for code

• The amount reported did not exceed the action limit threshold

⊖ The test result was above the action limit

* Confirmatory testing following presumptive positive result

7.4 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/L)	Limit of Reporting (mg/L)	Method	Code***
2-Phenylphenol	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
5-Hydroxyflunixin	Colostrum	5	5	0	0		0.04	0.002	LC-MS/MS	NS
Abamectin	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	P
Abamectin	Colostrum	5	5	0	0		0.003	0.003	LC-MS/MS	AN
Acephate	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Acetamidrid	Colostrum	5	5	0	0		0.1	0.002	LC-MS/MS	P
Acetamidrid-N-desmethyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Acetochlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Acibenzolar-S-methyl	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Acrinathrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Aflatoxin-M1	Colostrum	5	5	0	0		0.05 ug/kg	0.005 ug/kg	LC-MS/MS	AF
AHD (Nitrofurantoin)	Colostrum	5	5	0	0		0.0003	0.0003	LC-MS/MS	N
Alachlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Alanycarb	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Albendazole^	Colostrum	5	5	0	0		0.1	0.001	LC-MS/MS	AN
Albendazole sulfone^	Colostrum	5	5	0	0		0.1	0.001	LC-MS/MS	AN
Albendazole sulfone 2-amino^	Colostrum	5	5	0	0		0.1	0.004	LC-MS/MS	AN
Albendazole sulfoxide^	Colostrum	5	5	0	0		0.1	0.001	LC-MS/MS	AN
Aldicarb	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Aldicarb sulfone	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Aldicarb sulfoxide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Aldrin	Colostrum	5	5	0	0		0.006	0.002	GC-MS/MS	P
Allidochlor	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Ametoctradin	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Ametryn	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Amoxicillin	Colostrum	5	5	0	0		0.004	0.0015	MIT	IS
AMOZ (Furaltadone)	Colostrum	5	5	0	0		0.0001	0.0001	LC-MS/MS	N
Ampicillin	Colostrum	5	5	0	0		0.004	0.002	Delvotest T*	IS
Ampicillin	Colostrum	5	5	0	0		0.004	0.0015	MIT	IS
Anilofos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Anthraquinone	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
AOZ (Furazolidone)	Colostrum	5	5	0	0		0.0001	0.0001	LC-MS/MS	N
Arsenic	Colostrum	5	5	0	0		0.01	0.001	Wet oxidation/ICP-MS	EL
Atrazine	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Azaconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Azamethiphos	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Azinphos-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Azoxystrobin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Benalaxyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bendiocarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Benfluralin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Benodanil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Benoxacor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bensulfuron-methyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Bensulide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Benzyldimethyldodecylamm onium chloride (BDM-C12)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
BHC (alpha)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
BHC (beta)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
BHC (delta)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
BifenoX	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bifenthrin	Colostrum	5	5	0	0		0.1	0.002	GC-MS/MS	P
Bioresmethrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bismuth	Colostrum	5	4	1	0	●	0.5	0.001	Acid Digest/ICP-MS	EL
Bitertanol	Colostrum	5	5	0	0		0.05	0.002	GC-MS/MS	P
Boscalid	Colostrum	5	5	0	0		0.02	0.002	LC-MS/MS	P
Bromacil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bromobutide	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bromophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bromophos-ethyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bromopropylate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Bupirimate	Colostrum	5	5	0	0		0.05	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)	Limit of Reporting (mg/L)	Method	Code***
Buprofezin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Butachlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Butafenacil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Butamifos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cadmium	Colostrum	5	5	0	0		0.1	0.0002	Acid digest/ICP-MS	EL
Cadusafos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cafenstrole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Carbaryl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Carbendazim	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Carbetamide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Carbofuran*	Colostrum	5	5	0	0		0.001	0.002	GC-MS/MS	P
Carboxin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Carfentrazone-ethyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Carprofen	Colostrum	5	5	0	0		1	0.005	LC-MS/MS	NS
Carpropamid	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Ceftiofur	Colostrum	5	5	0	0		0.1	0.008	MIT	IS
Cephalexin	Colostrum	5	5	0	0		0.1	0.012	MIT	IS
Cephalonium	Colostrum	5	3	1	1	⚠	0.02	0.02	Delvotest T*/LC-MS/MS	IS
Cephalonium	Colostrum	5	5	0	0		0.02	0.008	MIT	IS
Cephuroxime	Colostrum	5	5	0	0		0.1	0.016	MIT	IS
Chlorantraniliprole	Colostrum	5	5	0	0		0.05	0.002	LC-MS/MS	P
Chlordane-cis	Colostrum	5	5	0	0		0.002	0.002	GC-MS/MS	P
Chlordane-trans	Colostrum	5	5	0	0		0.002	0.002	GC-MS/MS	P
Chlorfenapyr	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Chlorfenvinphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Chloridazon	Colostrum	5	5	0	0		0.1	0.002	LC-MS/MS	P
Chlorimuron-ethyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Chlorobenzilate	Colostrum	5	5	0	0		0.1	0.002	GC-MS/MS	P
Chlorotoluron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Chloroxuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Chlorpropham	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Chlorpyrifos-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Chlorsulfuron	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Chlortetracycline	Colostrum	5	5	0	0		0.01	0.004	MIT	IS
Chlorthal-dimethyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Chlorthiophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Chlozolinate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Chromafenozide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Cinidon-ethyl	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Clethodim	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Clodinafop-propargyl	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Clofentezine	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Clomazone	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cloquintocet-mexyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Clothianidin	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Cloxacillin	Colostrum	5	5	0	0		0.015	0.015	Delvotest T*	IS
Coumaphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Coumaphos oxon	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Crufomate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyanazine	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyanophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyantraniliprole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Cyanuric acid	Colostrum	5	5	0	0		0.1	0.1	LC-MS/MS	O
Cyazofamid	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Cycloate	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Cyclosulfamuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Cyflufenamid	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Cyfluthrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyhalofop-butyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyhalothrin	Colostrum	5	5	0	0		0.05	0.002	GC-MS/MS	P
Cymoxanil	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Cypermethrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyproconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyprodinil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Cyromazine	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Daimuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
DDD (o,p') ***	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
DDD (p,p') ***	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
DDE (o,p') ***	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
DDE (p,p') ***	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
DDT (o,p') ***	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
DDT (p,p') ***	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
Deltamethrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Demeton-S-methyl sulfoxide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Desmedipham	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Diazinon	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
Dichlobenil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dichlofenthion	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dichlofuanid	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Dichlorobenzophenone (Dicofol-BP)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dichlorvos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Diclobutrazol	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Diclocymet	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Diclofop-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dicloran	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Diclosulam	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Dicrotophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dicyclanil	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Dieldrin	Colostrum	5	5	0	0		0.006	0.002	GC-MS/MS	P
Diethofencarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Difenoconazole	Colostrum	5	5	0	0		0.005	0.002	GC-MS/MS	P
Diflubenzuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Diflufenican	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dihydrostreptomycin	Colostrum	5	5	0	0		0.02	0.02	MIT	IS
Dimepiperate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dimethenamid	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dimethoate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dimethomorph	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Dimethylditradecylammonium chloride (DM-DC14)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
Dimethylvinphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dioxabenzofos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dioxathion	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Diphenamid	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Diphenylamine	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Disulfoton	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Dithiopyr	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Diuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Doramectin	Colostrum	5	5	0	0		0.003	0.003	LC-MS/MS	AN
Edifenphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Emamectin benzoate	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	P
Endosulfan (alpha)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan (beta)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Endosulfan sulfate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Endrin	Colostrum	5	5	0	0		0.002	0.002	GC-MS/MS	P
Endrin ketone	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
EPN	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Epoxiconazole	Colostrum	5	5	0	0		0.002	0.002	GC-MS/MS	P
Eprinomectin	Colostrum	5	5	0	0		0.02	0.003	LC-MS/MS	AN
EPTC	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Erythromycin	Colostrum	5	5	0	0		0.01	0.01	MIT	IS
Esprocarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Ethalfuralin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Ethametsulfuron-methyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Ethiofencarb	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Ethion	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Ethiprole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Ethofumesate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Ethoprophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Ethoxyquin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Ethoxysulfuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Ethychlozate	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Etobenzanid	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Etozazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Etridiazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Etrimfos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Famoxadone	Colostrum	5	5	0	0		0.03	0.01	LC-MS/MS	P
Famphur	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenamidone	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fenamiphos	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	P
Fenarimol	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenbendazole^	Colostrum	5	5	0	0		0.01	0.001	LC-MS/MS	AN
Fenbendazole sulfone^	Colostrum	5	5	0	0		0.01	0.001	LC-MS/MS	AN
Fenbendazole sulfoxide^	Colostrum	5	5	0	0		0.01	0.001	LC-MS/MS	AN
Fenbuconazole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fenchlorphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenhexamid	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fenitrothion	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenobucarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenothiocarb	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fenoxanil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenoxaprop	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Fenoxaprop-ethyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenoxycarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenpiclonil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenpropadin	Colostrum	5	5	0	0		0.005	0.002	LC-MS/MS	P
Fenpropathrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenpropimorph	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenpyroximate	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fensulfothion	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenthion	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenthion oxon	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fenthion oxon sulfone	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Fenthion oxon sulfoxide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fenthion sulfone	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenthion sulfoxide	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fenthion-ethyl	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Fentrazamide	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Fenvalerate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Ferimzone	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fipronil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fipronil sulfide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fipronil sulfone	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Flamprop-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Flazasulfuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fluacrypyrim	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fluazifop-P-butyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Flubendazole ^A	Colostrum	5	5	0	0		0.1	0.001	LC-MS/MS	AN
Flubendazole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Flubendazole amine ^A	Colostrum	5	5	0	0		0.1	0.002	LC-MS/MS	AN
Flubendiamide	Colostrum	5	5	0	0		0.1	0.02	LC-MS/MS	P
Flucythrinate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fludioxonil	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Flufenacet	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Flumethrin	Colostrum	5	5	0	0		0.03	0.005	GC-ECD	P
Flumiclorac-pentyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Flumioxazin	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Flunixin	Colostrum	5	5	0	0		0.04	0.002	LC-MS/MS	NS
Fluometuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Fluopicolide	Colostrum	5	5	0	0		0.02	0.002	GC-MS/MS	P
Fluopyram	Colostrum	5	5	0	0		0.3	0.002	LC-MS/MS	P
Fluquinconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fluridone	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Flusilazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fluthiacet-methyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Flutolanil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Flutriafol	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fluvalinate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fonofos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Forchlorfenuron	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Fosthiazate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Fuberidazole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Furalaxyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Furametpyr	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Furathiocarb	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Gentamicin*	Colostrum	5	5	0	0		0.1	0.3	Delvotest T*	IS
Halosulfuron-methyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Haloxypop-etotyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Haloxypop-methyl	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Heptachlor	Colostrum	5	5	0	0		0.004	0.002	GC-MS/MS	P
Heptachlor endo-epoxide	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Heptachlor exo-epoxide	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Heptenophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Hexachlorobenzene (HCB)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Hexaconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Hexadecylpyridiniumammonium chloride (C16-PY)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
Hexadecyltrimethylammonium chloride (TM-C16)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
Hexaflumuron	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Hexazinone	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Hexythiazox	Colostrum	5	5	0	0		0.05	0.002	LC-MS/MS	P
Imazalil	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Imazamethabenz-methyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Imazosulfuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Imidacloprid	Colostrum	5	5	0	0		0.1	0.005	LC-MS/MS	P
Imidacloprid-olefin	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Inabenfide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Indanofan	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Indoxacarb	Colostrum	5	5	0	0		0.1	0.002	GC-MS/MS	P
Iodofenphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Iodosulfuron-methyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Iprobenfos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Iprodione	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Iprovalicarb	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Isazofos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Isofenphos	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Isofenphos-methyl	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Isoproc carb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Isoprothiolane	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Isoproturon	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Isopyrazam	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Isoxathion	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Ivermectin	Colostrum	5	5	0	0		0.01	0.003	LC-MS/MS	AN
Kanamycin	Colostrum	5	5	0	0		0.1	0.1	MIT	IS
Karbutilate	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Ketoprofen	Colostrum	5	5	0	0		0.1	0.005	LC-MS/MS	NS
Kresoxim-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Lactofen	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Lasalocid	Colostrum	5	5	0	0		0.015	0.015	LC-MS/MS	PC
Lead	Colostrum	5	3	2	0	●	0.02	0.001	Wet oxidation/ICP-MS	EL
Lenacil	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Leptophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Levamisole	Colostrum	5	5	0	0		0.001	0.001	LC-MS/MS	AN
Lindane	Colostrum	5	5	0	0		0.002	0.002	GC-MS/MS	P
Linuron	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Maduramicin	Colostrum	5	5	0	0		0.1	0.067	LC-MS/MS	PC
Malathion	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Mandipropamid	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Mebendazole	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	AN
Mebendazole 5-hydroxy	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	AN
Mebendazole amine	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	AN
Mefenacet	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Mefenpyr-diethyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Melamine	Colostrum	5	5	0	0		0.1	0.1	LC-MS/MS	O
Meloxicam	Colostrum	5	5	0	0		0.015	0.002	LC-MS/MS	NS
Mepanipyrin	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Mepronil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Mercury (total)	Colostrum	5	5	0	0		0.001	0.001	Acid digest/ICP-MS	EL
Mesotrione	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Metalaxyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Metamitron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Metconazole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Methabenzthiazuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Methacrifos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Methamidophos	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Methidathion*	Colostrum	5	5	0	0		0.002	0.002	GC-MS/MS	P
Methiocarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Methiocarb sulfone	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Methiocarb sulfoxide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Methomyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Methoxychlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Methoxyfenozide	Colostrum	5	5	0	0		0.05	0.002	LC-MS/MS	P
Metobromuron	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Metolachlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Metominostrobin (E)	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Metominostrobin (Z)	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Metosulam	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Metrafenone	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Metribuzin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Metsulfuron-methyl	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Mevinphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Mirex	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Molinate	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Monensin*	Colostrum	5	5	0	0		0.009	0.009	LC-MS/MS	PC
Monocrotophos	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Monolinuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Moxidectin	Colostrum	5	5	0	0		0.04	0.003	LC-MS/MS	AN
Myclobutanil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Napropamide	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Narasin	Colostrum	5	5	0	0		0.1	0.017	LC-MS/MS	PC
N-benzyl dimethyldecylammonium chloride (BDM-C10)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethylhexadecylammonium chloride (BDM-C16)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyloctadecylammonium chloride (BDM-C18)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
N-benzyl dimethyltetradecylammonium chloride (BDM-C14)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
N-didecyl dimethylammonium chloride (DM-DC10)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
N-didodecyl dimethylammonium chloride (DM-DC12)	Colostrum	5	5	0	0		0.1	0.01	LC-MS/MS	QAC
Nitrofen	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Nitrothal-isopropyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Norflurazon	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Novaluron	Colostrum	5	5	0	0		0.1	0.005	LC-MS/MS	P
Ocithionone	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Oleandomycin	Colostrum	5	5	0	0		0.05	0.05	MIT	IS
Omethoate	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Oryzalin	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Oxabetrinil	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Oxadiazon	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Oxadixyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Oxamyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Oxycarboxin	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Oxychlordane	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Oxyfluorfen	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Oxyphenbutazone	Colostrum	5	5	0	0		0.005	0.005	LC-MS/MS	NS
Oxytetracycline*	Colostrum	5	5	0	0		0.01	0.085	Delvotest T*	IS
Oxytetracycline*	Colostrum	5	5	0	0		0.01	0.015	MIT	IS
Paclobutrazol	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Parathion	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Parathion-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Penconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pencycuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Pendimethalin	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Penicillin	Colostrum	5	5	0	0		0.004	0.002	Delvotest T*	IS
Penicillin	Colostrum	5	5	0	0		0.004	0.0004	MIT	IS

Compound	Matrix	Samples tested	Not Detected	Detection above reporting limit	Detection above action limit	Flag	Action limit (mg/L)	Limit of Reporting (mg/L)	Method	Code***
Pentachlorobenzene	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Penthiopyrad	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Permethrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Perthan	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Phenmedipham	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Phenthoate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Phenylbutazone	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	NS
Phorate	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfone	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Phorate sulfoxide	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Phosalone	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Phosmet	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Phosphamidon	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Phoxim	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Picolinafen	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Piperonyl butoxide	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Piperophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pirimicarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pirimiphos-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pretilachlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Prochloraz	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Procymidone	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Profenofos	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Promecarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Prometryn	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propachlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propamocarb	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Propanil	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Propaphos	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Propaquizafop	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Propargite	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propazine	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propetamphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propham	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propiconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propoxur	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Propyzamide	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Proquinazid	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Prosulfocarb	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Prothiofos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pymetrozine	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Pyraclofos	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Pyraclostrobin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyraflufen-ethyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyrasulfotole	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Pyrazophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyrethrins	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Pyributicarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyridaben	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyridaphenthion	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyrifeno	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Pyritalid	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Pyrimethanil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyrimidifen	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (E)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyriminobac-methyl (Z)	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyriproxyfen	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Pyroquilon	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Pyroxsulam	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Quinalphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Quinoclamine	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Quinoxifen	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Quintozene	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Quizalofop-ethyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Rimsulfuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Saflufenacil	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Salinomycin	Colostrum	5	5	0	0		0.1	0.009	LC-MS/MS	PC
Sebuthylazine	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
SEM (Nitrofurazone)	Colostrum	5	5	0	0		0.0005	0.0005	LC-MS/MS	N
Semduramicin	Colostrum	5	5	0	0		0.1	0.06	LC-MS/MS	PC
Sethoxydim	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Simazine	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Simeconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Simetryn	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Spinetoram	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Spinosad	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Spiramycin	Colostrum	5	5	0	0		0.04	0.04	MIT	IS
Spiromesifen enol	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Spiromesifen	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Spirotetramat	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	P
Spirotetramat enol	Colostrum	5	5	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat enol-glucoside	Colostrum	5	5	0	0		0.005	0.005	LC-MS/MS	P
Spirotetramat-keto-hydroxy	Colostrum	5	5	0	0		0.002	0.002	LC-MS/MS	P
Spirotetramat-mono-hydroxy	Colostrum	5	5	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/L)	Limit of Reporting (mg/L)	Method	Code***
Spiroamine	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Streptomycin	Colostrum	5	5	0	0		0.02	0.02	MIT	IS
Sulfadiazine	Colostrum	5	5	0	0		0.1	0.1	Delvotest T*	IS
Sulfentrazone	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Sulprofos	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Tebuconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tebufenozide	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Tebufenpyrad	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tebuthiuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Tecnazene	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tefluthrin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Temephos	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Tepraloxym	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Terbacil	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Terbufos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Terbumeton	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Terbutylazine	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Terbutryn	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tetrachlorvinphos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tetraconazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tetracycline	Colostrum	5	5	0	0		0.05	0.05	SNAP (tetracycline)	IS
Tetracycline	Colostrum	5	5	0	0		0.015	0.015	MIT	IS
Tetradifon	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tetrahydrophthalimide 1,2,3,6	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Thenylchlor	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Thiabendazole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Thiacloprid	Colostrum	5	5	0	0		0.05	0.002	LC-MS/MS	P
Thiamethoxam	Colostrum	5	5	0	0		0.05	0.005	LC-MS/MS	P
Thiazopyr	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Thidiazuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Thiobencarb	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Thiometon	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tiadinil	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Tin	Colostrum	5	5	0	0		0.1	0.005	Acid digest/ICP-MS	EL
Tolclofos-methyl	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tolfenamic acid	Colostrum	5	5	0	0		0.05	0.002	LC-MS/MS	NS
Tolyfluanid	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	P
Tralkoxydim	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Transfluthrin	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Triadimefon	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Triadimenol	Colostrum	5	5	0	0		0.01	0.005	GC-MS/MS	P
Tri-allyl	Colostrum	5	5	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)	Limit of Reporting (mg/L)	Method	Code***
Triasulfuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Triazophos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tribufos	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Trichlorfon	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Triclabendazole [^]	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	AN
Triclabendazole sulfone [^]	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	AN
Triclabendazole sulfoxide [^]	Colostrum	5	5	0	0		0.01	0.01	LC-MS/MS	AN
Tricyclazole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Trifloxystrobin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Trifloxysulfuron-sodium	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Triflumizole	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Triflumuron	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Trifluralin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Triflusulfuron-methyl	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Triforine	Colostrum	5	5	0	0		0.01	0.005	LC-MS/MS	P
Triticonazole	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Tylosin	Colostrum	5	5	0	0		0.05	0.05	Delvotest T*	IS
Tylosin	Colostrum	5	5	0	0		0.05	0.033	MIT	IS
Uniconazole-P	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Vamidithion	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P
Vinclozolin	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
XMC	Colostrum	5	5	0	0		0.01	0.002	GC-MS/MS	P
Zoxamide	Colostrum	5	5	0	0		0.01	0.002	LC-MS/MS	P

Notes

Detections 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, unless the detection is confirmed by a LC-MS/MS method.

[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

[^] Final result takes into account the residue definition

7.5 RAW 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	306	275	31	0		max. 1.0 mg/L	n.d.	0.3963	Acid digest/ICPMS	EL
Aluminium	Colostrum	5	4	1	0		max. 1.0 mg/L	n.d.	0.4624	Acid digest/ICPMS	EL
Boron	Milk	306	12	294	0		max. 1.0 mg/L	n.d.	0.264	Acid digest/ICPMS	EL
Boron	Colostrum	5	5	0	0		max. 1.0 mg/L	n.d.	n.d.	Acid digest/ICPMS	EL
Chromium	Milk	306	292	14	0		max. 0.3 mg/L	n.d.	0.0361	Acid digest/ICPMS	EL
Chromium	Colostrum	5	5	0	0		max. 0.3 mg/L	n.d.	n.d.	Acid digest/ICPMS	EL

Compound	Matrix ⁺	Samples tested	Not detected	Present at or within expected limits	Present outside expected limits	Flag	Expected limit	Min	Max	Method	Code
Cobalt	Milk	306	305	1	0		max. 0.1 mg/L	n.d.	0.0065	Acid digest/ICPMS	EL
Cobalt	Colostrum	5	5	0	0		max. 0.1 mg/L	n.d.	n.d.	Acid digest/ICPMS	EL
Copper	Milk	306	0	303	3	●	max. 0.15 mg/L	0.0116	0.2676	Acid digest/ICPMS	EL
Copper	Colostrum	5	0	5	0		max. 0.15 mg/L	0.0213	0.1042	Acid digest/ICPMS	EL
Iodine	Milk	306	0	306	0		max. 1.5 mg/L	0.0032	0.4274	TMAH Digestion/ICPMS	EL
Iodine	Colostrum	5	0	5	0		max. 1.5 mg/L	0.0028	0.0698	TMAH Digestion/ICPMS	EL
Iron	Milk	306	305	1	0		max. 5.0 mg/L	n.d.	0.5941	Acid digest/ICPMS	EL
Iron	Colostrum	5	4	1	0		max. 5.0mg/L	n.d.	1.1727	Acid digest/ICPMS	EL
Selenium	Milk	306	0	306	0		max. 2.0 mg/L	0.0037	0.0734	Acid digest/ICPMS	EL
Selenium	Colostrum	5	0	5	0		max. 2.0 mg/L	0.0052	0.0329	Acid digest/ICPMS	EL
Urea	Milk	306	0	305	1	●	min. 7.0 and max. 70 mg/dL	4.8	56.5	FTIR	MC
Zinc	Milk	306	0	306	0		max. 10 mg/L	2.9616	7.0086	Acid digest/ICPMS	EL
Zinc	Colostrum	5	0	5	0		max. 10 mg/L	1.8851	8.162	Acid digest/ICPMS	EL
IgG1	Colostrum	5	0	5	0		min. 2.0 g/L	2.06	9.19	NIA	MC
Sodium Thiocyanate	Milk	60	1	59	0		max. 20 mg/L	n.d.	14	HPLC-UV	O
Total		3170	1213	1953	4						

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

+ Matrix milk refers to raw milk at the farm bulk milk tank prior to any further consolidation, co-mingling or dilution with raw milk from other farms

8 Appendices

8.1 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
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 Council Directive 96/23/EC
AF	Aflatoxins
AN	Anthelmintics
C	Dicyandiamide (DCD)
D	Dexamethasone
EL	Chemical elements
IS	Inhibitory substances
MC	Milk components
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

8.2 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
2018/19	306	5	0.14%
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%

Sampling Season	Number of milk samples	Number of colostrum samples	Overall rate of detections
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

