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DIOXINS AND DIOXIN-LIKE PCBs IN FOODS – EU MONITORING 2006

Summary

Dioxins and PCBs were analysed for the Food Standards Agency in 156 retail samples of foods (mainly UK produced) purchased at locations throughout the UK. This work was carried out in line with Recommendation 2004/705/EC on the monitoring of background levels of dioxins and dioxin-like PCBs in foodstuffs and represents the third set of annual data generated in this way. The results will be submitted to the European Commission for inclusion in the next review of limits for dioxins and PCBs. No samples exceeded existing regulatory limits. There were no concerns for human health.

Key Facts

- As part of a Europe-wide monitoring programme, dioxins and PCBs were measured in a wide range of retail foods purchased mainly in 2006.
- None of the samples contained levels of dioxins alone or dioxins plus dioxin-like PCBs above current limits.
- One sample of wild boar meat contained dioxins above the maximum limit applicable to pig meat, but there would be no risk to health.
- Dioxin and PCB levels are relatively high in gull eggs and mallard, but these are not widely consumed and have only a short season, so no consumer advice is necessary.

Background

The European Commission first introduced regulatory limits for dioxins in food in 2001 through Council Regulation 2375/2001 amending Commission Regulation 466/2001. The limits came into force in July 2002. These limits were reviewed in 2005-6 and additional limits for dioxins plus dioxin-like PCBs were introduced in a further amendment to 466/2001, Regulation 199/2006, which came into force in November 2006. Regulation 199/2006 included a provision for a further review of dioxin and dioxin-like PCB limits by 31 December 2008. This provision has been carried over into Commission Regulation (EC) 1881/2006,¹ consolidating 466/2001 with its numerous amendments. The limits are summarised in Table 1.

Since 2003, the Commission has encouraged Member States to collect further data on the levels of dioxins and PCBs in nationally-produced food through a series of Recommendations (2002/201/EC; 2004/705/EC; 2006/794/EC). In addition to more targeted surveys, the Food Standards Agency has been carrying out monitoring in line with these Recommendations.^{2,3}

Methodology

Samples

Over time, the Commission has become less prescriptive about the samples to be tested and has allowed Member States a certain amount of discretion. The Agency has therefore taken the opportunity to test a number of foods for which there is a lack of data but which may, nevertheless, fall under future regulation. The sample plan included meat products, game and speciality meats, dairy products (including milk and milk products from animals other than cows) and certain fish species of particular interest. Table 2 contains a summary of the samples selected, for which full details are provided in Annex 2.

The samples were purchased by the Central Science Laboratory between October 2005 and September 2006 (except for the two sheep testicle samples, which were obtained in February 2006, and the two seal oil samples, which were obtained in June and September 2004 for a different survey, all by Ventress Technical Limited).

Analysis

All samples were tested individually and were analysed as purchased, whether raw or cooked. They were analysed by the Central Science Laboratory using high resolution gas chromatography and high or low resolution mass spectrometry. Details of the method of analysis have been published⁴ and can be found in Food Survey Information Sheet No 60/04.⁵ All results met published analytical quality assurance criteria.⁶

Results and Discussion

The results are summarised in Tables 3a-c, with data for individual samples shown in Annex 1. Further details, including the congener specific results, can be found in the contractor's final reports for the sampling and analysis.^{7,8}

Meat Products

None of the results for bovine, lamb, pig or poultry products were unusual. The highest dioxin level was found in a sample of lamb mince which, at 1.55 pg/g fat, is just on the action level (Recommendation 88/2006/EC).⁹ This is not unusual for lamb and a similar observation was made in the 2005 monitoring round. On a whole weight basis, the level has no implications for health.

Game

Farmed game had been included with poultry in the dioxin amendments to EC Regulation 466/2001 but, following clarification during discussions on the consolidation of amendments to this regulation was removed due to ambiguity (farmed game birds are already covered by the poultry definition). Wild game is excluded as insufficient data exist on which to base limits. On a fat basis, the levels of dioxins and PCBs in some samples of mallard, partridge and pigeon, as well as hare, were high compared with the typical levels found in chicken (this was also the case for the pheasant tested in the 2005 monitoring round). Levels in wild boar were generally low, with the exception of one sample of loin steaks that was above the fat-based limit for pigs.

In general, samples with high results on a fat basis had a very low fat content (Annex 1), which means that the whole weight dioxin and PCB concentrations were low and when combined with the consumption rate the estimated intake presented no risk to health. The one exception was mallard, for which a high fat concentration of dioxins and PCBs

coincided with a high fat content (ca. 20-30%). Whole weight data for mallard are provided at the end of Annex 1. Intake estimates suggest that eating 2-3 portions per week might take an adult over the dioxin Tolerable Daily Intake of 2 pg WHO-TEQ/kg bodyweight/day.¹⁰ However, it is thought highly unlikely that mallard, which is only available in season from 1 September to 28 February, would be consumed at such a frequency and precautionary advice is therefore considered unnecessary.

Ratites

The Commission has previously considered including dioxin limits for ratites (ostrich, emu, rhea) but they are currently not covered by the regulations due to a lack of supporting data. The results for three ostrich and one rhea meat samples tested do not indicate any concern and therefore in our view there is no need for regulatory limits to be introduced.

Other meats

In the 'other meats' category there were no results of concern. Snails were of interest as a comparison with marine gastropods (e.g. whelks) but it proved difficult to source UK-produced snail samples. Sheep testicles (introduced by certain ethnic groups and eaten fried or roasted) are increasing in popularity. Samples were originally intended to have been included in the offal survey (FSIS 15/2006)¹¹ but there was a delay in obtaining them and they were therefore tested as part of this survey.

Dairy products

There were no unusual or exceptional results for any of the dairy products tested. Omega 3-enriched milk and eggs were included in the survey as we had received a number of enquiries about whether the omega 3 was derived from fish oil and might therefore be an additional source of dioxins and PCBs. The results did not reveal any cause for concern.

Gull eggs

Gull eggs are collected under licence during a short season (April to mid-May) and are sold in specialist retail outlets in the UK. Gull egg dishes may be found on the menu of some gourmet and specialist seafood restaurants. Although consumption is likely to be relatively low, dioxins and PCBs are known to be present in eggs and, since gulls live on a diet predominantly of fish, gull eggs were thought likely to be heavily contaminated and were therefore included in this round of monitoring. Unsurprisingly, the levels of dioxins

and PCBs were high, averaging 15.7 and 27.7 pg WHO-TEQ/g fat for dioxins and PCBs, with the respective whole weight levels being 1.5 and 2.7 pg WHO-TEQ /g. These levels are similar to those found in oily fish. A gull egg weighs about 30 g, i.e. 50-60% of the weight of a normal hen egg, so a normal portion may be two eggs. However, as gull eggs have such a short season, are not readily available and are relatively expensive, specific consumption advice is not considered necessary.

All of the results have been reported to the European Commission.

References

1. European Commission (2006). Commission Regulation (EC) No 1881/2006 of 19 December 2006 setting maximum levels for certain contaminants in foodstuffs.
2. Food Standards Agency. (2004). Dioxins and dioxin-like PCBs in foods – EU monitoring 2003. Summary report, available at <http://www.food.gov.uk/multimedia/pdfs/eudioxin.pdf>.
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7. Central Science Laboratory (2006). FSA survey for dioxin and PCB EU recommended monitoring programme. National retail sampling plan for purchase of representative foods for the analysis of dioxins: round-2. Central Science Laboratory Report, **FD 06/09**.

8. Fernandes, A., White, S. and Rose, M. (2007). Analysis of dioxins and PCBs in Representative food samples from the UK, as specified in the EU recommended monitoring programme – year 2. Central Science Laboratory Report, **FD 06/11**.
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10. COT. (2001). Statement on the Tolerable Daily Intake for dioxins and dioxin-like polychlorinated biphenyls. *COT/COC/COM Annual Report* , 61-90.
11. Food Standards Agency. (2006). Dioxins and dioxin-like PCBs in offals. *Food Survey Information Sheet*, **15/06**, available at www.food.gov.uk/multimedia/pdfs/fsis1506.pdf.

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A copy of the full reports of this work have been placed in the Library, Aviation House, 125 Kingsway, London, WC2B 6NH Tel. No. + 44 (0) 20 7276 8181/8282. If you wish to consult them please contact the library for an appointment giving at least 24 hours notice or alternatively copies can be obtained from the library: a charge will be made to cover photocopying and postage.

Table 1: Limits and action levels (ng WHO-TEQ/kg) for dioxins and dioxin-like PCBs in foods

Foods	MAXIMUM LEVELS (ng WHO-TEQ/kg fat except for fish)		ACTION LEVELS (ng WHO-TEQ/kg fat except for fish and 'other foods')	
	Dioxins	Total TEQ*	Dioxins	Dioxin-like PCBs
Meat and meat products originating from				
- Ruminants (bovine animals, sheep)	3	4.5	1.5	1
- Poultry	2	4	1.5	1.5
- Pigs	1	1.5	0.6	0.5
Liver of above animals	6	12	4	4
Fish and fishery products**, except	4 (whole weight)	8 (whole weight)	3 (whole weight)	3 (whole weight)
- Eels	4 (whole weight)	12 (whole weight)	3 (whole weight)	6 (whole weight)
Milk and milk products, including butter fat***	3	6	2	2
Hen eggs and egg products	3	6	2	2
Oils and fats				
- Animal fat				
- From ruminants	3	4.5	1.5	1
- From poultry and farmed game	2	4	1.5	1.5
- From pigs	1	1.5	0.6	0.5
- Mixed animal fat	2	3	1.5	0.75
- Vegetable oil	0.75	1.5	0.5	0.5
- Marine oil intended for human consumption	2	10	1.5	6
Other foods	-	-	0.4 (fresh weight)	0.2 (whole weight)

Notes: * Dioxins plus dioxin-like PCBs.
 ** Excluding brown meat of crab and thorax meat of lobster.
 *** Does not apply to milk products containing less than 1% fat (e.g. sample 12508).

Table 2: Summary of samples tested

Category	No. of samples	Category	No. of samples	Category	No. of samples
Meat:		Eggs:		Aquaculture products and marine fish:	
Beef burgers	3	Gull	3	Bass (farmed)	3
Beef sausages	3	Hen (Omega 3 rich)	3	Bass (wild)	3
Corned beef	3			Butterfish	1
Veal	3	Dairy:		Conger eel	3
Bacon	3	Buffalos' milk	3	Eels (farmed freshwater)	3
Ham	3	Cows' milk	4	Ice fish	1
Pork luncheon meat	3	Cows' milk (Omega 3 rich)	4	Skate	3
Pork sausages	3	Sheep's milk	3	Sprats	3
Lamb mince	3	Buffalos' milk yoghurt	1	Tilapia	3
Sheep's testicles	2	Cows' milk yoghurt	4	Whelks	3
Chicken burgers	3	Goats' milk yoghurt	3		
Buffalo meat	3	Sheep's milk yoghurt	3		
Hare	3	Cream	3	Vegetables:	
Kangaroo	3	Dairy ice cream	4	Butternut squash	1
Muntjak deer	1	Curd cheese	3	Courgettes	2
Venison sausages	3	Mozzarella cheese	3	Pumpkin	4
Wild boar meat	3			Spaghetti squash	1
Wild boar sausages	3				
Grouse	2	Fats and oils:			
Guinea fowl	3	Evening primrose oil	2	Total	156
Mallard duck	3	Linseed oil	2		
Ostrich	3	Walnut oil	2		
Partridge	3	Seal oil	2		
Pigeon	3				
Rhea	1				
Snails	1				

Table 3a: Average concentrations of dioxins and dioxin-like PCBs in meat and meat products

Food (no. of samples)	Lower bound						Upper bound											
	Dioxins		PCBs		Total		Dioxins		PCBs		Total							
	Average concentrations (ng WHO-TEQ/kg fat)																	
Beef burgers (3)	0.47	±	0.08	0.48	±	0.02	0.95	±	0.10	0.48	±	0.08	0.49	±	0.03	0.97	±	0.10
Beef sausages (3)	0.32	±	0.07	0.39	±	0.01	0.70	±	0.09	0.35	±	0.08	0.41	±	0.03	0.76	±	0.11
Corned beef (3)	0.12	±	0.03	0.30	±	0.01	0.42	±	0.04	0.17	±	0.05	0.33	±	0.03	0.50	±	0.08
Veal (3)	0.19	±	0.04	0.38	±	0.02	0.57	±	0.05	0.33	±	0.09	0.41	±	0.04	0.74	±	0.13
Lamb mince (3)	1.28	±	0.10	0.59	±	0.02	1.87	±	0.11	1.29	±	0.10	0.60	±	0.03	1.89	±	0.13
Sheep's testicles (2)	0.74	±	0.08	0.19	±	0.008	0.93	±	0.08	0.75	±	0.08	0.21	±	0.02	0.95	±	0.09
Bacon (3)	0.15	±	0.006	0.06	±	0.003	0.20	±	0.009	0.31	±	0.10	0.09	±	0.02	0.40	±	0.11
Ham (3)	0.12	±	0.02	0.004	±	0.001	0.13	±	0.02	0.23	±	0.06	0.13	±	0.03	0.36	±	0.09
Luncheon meat (3)	0.08	±	0.01	0.02	±	0.006	0.10	±	0.02	0.16	±	0.05	0.09	±	0.02	0.25	±	0.07
Pork sausages (3)	0.06	±	0.009	0.06	±	0.01	0.12	±	0.02	0.12	±	0.04	0.11	±	0.02	0.23	±	0.06
Chicken burgers (3)	0.14	±	0.03	0.07	±	0.002	0.21	±	0.03	0.29	±	0.10	0.09	±	0.02	0.39	±	0.12
Buffalo meat (3)	0.71	±	0.05	1.18	±	0.05	1.89	±	0.10	0.77	±	0.11	1.20	±	0.07	1.97	±	0.18
Hare (3)	4.91	±	0.28	3.18	±	0.05	8.09	±	0.33	4.91	±	0.29	3.21	±	0.09	8.12	±	0.38
Kangaroo (3)	0.21	±	0.04	0.09	±	0.008	0.30	±	0.05	0.85	±	0.30	0.11	±	0.02	0.96	±	0.32
Muntjak (1)	1.59	±	0.36	1.28	±	0.04	2.87	±	0.40	1.63	±	0.33	1.31	±	0.05	2.94	±	0.39
Venison sausages (3)	1.17	±	0.17	0.87	±	0.02	2.03	±	0.19	1.25	±	0.18	0.89	±	0.03	2.14	±	0.22
Wild boar meat (3)	0.54	±	0.20	0.11	±	0.008	0.65	±	0.21	0.83	±	0.27	0.13	±	0.02	0.96	±	0.28
Wild boar sausages (3)	0.19	±	0.03	0.08	±	0.007	0.27	±	0.04	0.35	±	0.11	0.11	±	0.02	0.45	±	0.12
Grouse (2)	0.73	±	0.25	0.52	±	0.02	1.25	±	0.27	1.08	±	0.30	0.58	±	0.06	1.66	±	0.36
Guinea fowl (3)	0.09	±	0.01	0.07	±	0.003	0.17	±	0.02	0.12	±	0.03	0.09	±	0.02	0.22	±	0.05
Mallard duck (3)	4.32	±	0.26	2.26	±	0.05	6.58	±	0.31	4.33	±	0.27	2.26	±	0.05	6.59	±	0.32
Partridge (3)	2.92	±	0.35	3.85	±	0.10	6.78	±	0.44	3.24	±	0.59	3.86	±	0.10	7.10	±	0.69
Pigeon (3)	2.59	±	0.70	3.60	±	0.06	6.19	±	0.76	2.68	±	0.56	3.64	±	0.11	6.33	±	0.67
Ostrich (3)	0.32	±	0.06	0.16	±	0.007	0.48	±	0.07	0.75	±	0.25	0.20	±	0.02	0.95	±	0.28
Rhea (1)	1.84	±	0.46	0.33	±	0.03	2.17	±	0.49	1.90	±	0.42	0.35	±	0.05	2.25	±	0.46
Snails (1)	0.89	±	0.14	0.42	±	0.02	1.31	±	0.15	0.90	±	0.14	0.43	±	0.03	1.33	±	0.17

Table 3b: Average concentrations of dioxins and dioxin-like PCBs in milk and milk products, eggs, fats and oils

Food (no. of samples)	<i>Lower bound</i>						<i>Upper bound</i>											
	Dioxins		PCBs		Total		Dioxins		PCBs		Total							
<i>Milk products:</i>	Average concentrations (ng WHO-TEQ/kg fat)																	
Buffalos' milk (3)	0.39	±	0.09	0.37	±	0.009	0.75	±	0.10	0.40	±	0.08	0.38	±	0.03	0.78	±	0.11
Cows' milk (4)	0.25	±	0.06	0.17	±	0.005	0.42	±	0.06	0.34	±	0.09	0.18	±	0.02	0.52	±	0.11
Cows' milk (+ omega 3) (4)	0.37	±	0.08	0.37	±	0.01	0.73	±	0.09	0.41	±	0.09	0.40	±	0.03	0.81	±	0.12
Sheep's milk (3)	0.36	±	0.06	0.21	±	0.006	0.57	±	0.06	0.45	±	0.09	0.22	±	0.02	0.67	±	0.11
Buffalos' milk yoghurt (3)	0.68	±	0.10	0.62	±	0.01	1.30	±	0.11	0.70	±	0.10	0.64	±	0.05	1.34	±	0.15
Cows' milk yoghurt (3)	0.42	±	0.09	0.23	±	0.01	0.64	±	0.10	1.03	±	0.34	0.42	±	0.08	1.45	±	0.42
Goats' milk yoghurt (3)	0.40	±	0.06	0.54	±	0.02	0.94	±	0.08	0.43	±	0.08	0.55	±	0.03	0.98	±	0.11
Sheep's milk yoghurt (3)	0.46	±	0.08	0.27	±	0.004	0.72	±	0.09	0.47	±	0.08	0.31	±	0.03	0.78	±	0.11
Cream (3)	0.63	±	0.09	0.46	±	0.01	1.09	±	0.10	0.66	±	0.10	0.47	±	0.03	1.13	±	0.13
Dairy ice cream (4)	0.50	±	0.08	0.30	±	0.008	0.80	±	0.09	0.53	±	0.09	0.31	±	0.03	0.84	±	0.11
Curd cheese	0.35	±	0.08	0.29	±	0.009	0.65	±	0.08	0.39	±	0.08	0.31	±	0.02	0.69	±	0.10
Mozzarella cheese (3)	0.59	±	0.09	0.55	±	0.01	1.13	±	0.11	0.59	±	0.09	0.57	±	0.03	1.16	±	0.12
<i>Eggs:</i>																		
Omega 3 enriched hen (3)	0.33	±	0.03	0.12	±	0.002	0.45	±	0.03	0.46	±	0.13	0.16	±	0.03	0.62	±	0.15
Gull (3)	15.7	±	0.82	27.2	±	0.74	43.0	±	1.56	15.7	±	0.82	27.2	±	0.74	43.0	±	1.56
<i>Fats & oils:</i>																		
Evening primrose oil (2)	0.03	±	0.002	0.02	±	0.002	0.05	±	0.004	0.09	±	0.03	0.07	±	0.01	0.15	±	0.04
Linseed oil (2)	<0.001	±	0.001	0.02	±	0.001	0.02	±	0.002	0.20	±	0.08	0.07	±	0.03	0.27	±	0.10
Walnut oil (2)	0.05	±	0.003	0.05	±	0.007	0.10	±	0.01	0.12	±	0.04	0.09	±	0.02	0.21	±	0.06
Seal oil (2)	1.19	±	0.17	7.52	±	0.33	8.71	±	0.49	1.20	±	0.15	7.52	±	0.33	8.72	±	0.47

Table 3c: Average concentrations of dioxins and dioxin-like PCBs in fish, aquaculture products and vegetables

Food (no. of samples)	<i>Lower bound</i>									<i>Upper bound</i>								
	Dioxins			PCBs			Total			Dioxins			PCBs			Total		
<i>Fish:</i>	Average concentrations (ng WHO-TEQ/kg whole weight)																	
Bass (farmed) (3)	0.23	±	0.02	1.49	±	0.02	1.72	±	0.04	0.23	±	0.02	1.49	±	0.02	1.72	±	0.04
Bass (wild) (3)	0.10	±	0.01	0.81	±	0.02	0.91	±	0.03	0.10	±	0.01	0.81	±	0.02	0.91	±	0.03
Butterfish (1)	0.56	±	0.07	1.73	±	0.03	2.29	±	0.10	0.56	±	0.07	1.74	±	0.03	2.30	±	0.09
Conger eel (3)	0.20	±	0.01	1.35	±	0.03	1.55	±	0.04	0.20	±	0.01	1.35	±	0.03	1.55	±	0.04
Eels (freshwater) (3)	0.19	±	0.02	1.09	±	0.02	1.28	±	0.04	0.20	±	0.02	1.09	±	0.03	1.29	±	0.05
Icefish (1)	0.14	±	0.02	0.47	±	0.007	0.61	±	0.02	0.16	±	0.04	0.48	±	0.01	0.64	±	0.05
Skate (3)	0.04	±	0.004	0.03	±	0.002	0.07	±	0.006	0.04	±	0.004	0.03	±	0.002	0.07	±	0.006
Sprats (3)	1.19	±	0.06	1.99	±	0.04	3.17	±	0.10	1.19	±	0.06	1.99	±	0.04	3.18	±	0.11
Tilapia (3)	0.02	±	0.003	0.04	±	0.003	0.06	±	0.005	0.02	±	0.005	0.04	±	0.003	0.06	±	0.007
Whelks (3)	0.03	±	0.003	0.04	±	0.002	0.07	±	0.005	0.04	±	0.006	0.04	±	0.003	0.07	±	0.008
<i>Others:</i>																		
Vegetables (8)	0.01	±	0.001	0.001	±	0.001	0.01	±	0.002	0.01	±	0.002	0.001	±	0.001	0.01	±	0.002

			Concentrations (ng WHO-TEQ/kg fat)											
			<i>Upper bound</i>			<i>Lower bound</i>								
Code	Description	Fat %	Dioxins		PCBs	Total	Dioxins		PCBs	Total				
Carcase meat products														
12408	Beef burgers	4.3	0.42	± 0.08	0.37	± 0.02	0.79	± 0.10	0.41	± 0.08	0.35	± 0.01	0.76	± 0.09
12409	Beef burgers with onion	16.3	0.45	± 0.05	0.42	± 0.03	0.87	± 0.08	0.44	± 0.05	0.41	± 0.01	0.85	± 0.06
12410	Beef burgers	14.4	0.57	± 0.11	0.69	± 0.03	1.26	± 0.14	0.56	± 0.11	0.68	± 0.03	1.24	± 0.14
12411	Aberdeen Angus sausages	33.8	0.34	± 0.08	0.31	± 0.03	0.65	± 0.11	0.26	± 0.03	0.29	± 0.008	0.55	± 0.04
12412	Beef sausages	19.1	0.42	± 0.11	0.63	± 0.03	1.05	± 0.14	0.40	± 0.13	0.63	± 0.03	1.03	± 0.16
12413	Aberdeen Angus sausages	18.6	0.29	± 0.05	0.29	± 0.04	0.58	± 0.09	0.29	± 0.05	0.24	± 0.005	0.53	± 0.06
12414	Corned beef	13.8	0.20	± 0.06	0.48	± 0.03	0.68	± 0.09	0.18	± 0.03	0.44	± 0.01	0.62	± 0.04
12415	Corned Beef	13.5	0.16	± 0.05	0.39	± 0.03	0.55	± 0.07	0.15	± 0.05	0.35	± 0.01	0.50	± 0.06
12416	Corned Beef	11.5	0.15	± 0.05	0.13	± 0.01	0.28	± 0.07	0.03	± 0.002	0.11	± 0.002	0.14	± 0.004
12417	Veal	3.8	0.24	± 0.08	0.28	± 0.04	0.52	± 0.12	0.11	± 0.006	0.23	± 0.02	0.34	± 0.03
12418	Veal	9.3	0.27	± 0.09	0.44	± 0.03	0.71	± 0.12	0.13	± 0.06	0.42	± 0.01	0.55	± 0.07
12419	Veal	3.7	0.47	± 0.12	0.52	± 0.04	0.99	± 0.16	0.33	± 0.05	0.50	± 0.02	0.83	± 0.06
12432	British lamb mince	22.1	1.14	± 0.09	0.51	± 0.04	1.65	± 0.12	1.13	± 0.09	0.47	± 0.02	1.60	± 0.12
12433	Welsh lamb mince	21.4	1.18	± 0.09	0.45	± 0.03	1.63	± 0.12	1.18	± 0.09	0.44	± 0.02	1.62	± 0.11
12434	Lamb mince	17.9	1.55	± 0.11	0.85	± 0.03	2.40	± 0.15	1.54	± 0.10	0.85	± 0.006	2.39	± 0.11
12420	Unsmoked Back Bacon	20.6	0.43	± 0.13	0.10	± 0.02	0.53	± 0.15	0.20	± 0.009	0.08	± 0.005	0.28	± 0.01
12421	Bacon	14.0	0.04	± 0.02	0.05	± 0.02	0.09	± 0.03	0.01	± 0.002	0.0006	± 0.001	0.01	± 0.003
12422	Smoked Back Bacon	11.4	0.47	± 0.15	0.11	± 0.02	0.58	± 0.16	0.23	± 0.008	0.09	± 0.004	0.32	± 0.01
12423	Pork sausages	21.1	0.09	± 0.03	0.09	± 0.02	0.18	± 0.05	0.03	± 0.003	0.02	± 0.004	0.05	± 0.007
12424	British pork sausages	16.7	0.11	± 0.03	0.17	± 0.03	0.28	± 0.06	0.08	± 0.02	0.15	± 0.02	0.23	± 0.04
12425	Thick pork sausages	15.8	0.15	± 0.05	0.08	± 0.02	0.23	± 0.06	0.08	± 0.007	0.02	± 0.006	0.10	± 0.01
12426	Cooked gammon	8.2	0.17	± 0.07	0.08	± 0.02	0.25	± 0.09	0.01	± 0.0005	0.001	± 0.001	0.02	± 0.002
12427	Dry cure ham	1.6	0.12	± 0.05	0.19	± 0.05	0.31	± 0.10	0.004	± 0.0005	0.003	± 0.001	0.007	± 0.002
12428	Cooked ham	4.0	0.39	± 0.07	0.12	± 0.02	0.51	± 0.09	0.35	± 0.07	0.009	± 0.002	0.36	± 0.07
12429	Pork luncheon meat	19.8	0.17	± 0.05	0.08	± 0.02	0.25	± 0.07	0.09	± 0.02	0.02	± 0.006	0.11	± 0.03
12430	Pork luncheon meat	21.0	0.13	± 0.05	0.09	± 0.02	0.22	± 0.06	0.05	± 0.003	0.02	± 0.006	0.07	± 0.008
12431	Pork luncheon Meat	17.4	0.18	± 0.06	0.09	± 0.02	0.27	± 0.08	0.11	± 0.006	0.02	± 0.006	0.13	± 0.01

			Concentrations (ng WHO-TEQ/kg fat)								
			Upper bound			Lower bound					
Code	Description	Fat %	Dioxins	PCBs	Total	Dioxins	PCBs	Total			
Poultry products											
12435	Chicken burgers	11.9	0.36 ± 0.13	0.10 ± 0.01	0.46 ± 0.14	0.15 ± 0.02	0.08 ± 0.002	0.23 ± 0.02			
12436	Chicken burgers	13.9	0.17 ± 0.06	0.12 ± 0.02	0.29 ± 0.08	0.07 ± 0.006	0.10 ± 0.002	0.17 ± 0.008			
12437	Chicken burgers	14.0	0.35 ± 0.13	0.06 ± 0.01	0.41 ± 0.14	0.20 ± 0.07	0.04 ± 0.002	0.24 ± 0.07			
12448	Guinea fowl supreme	13.1	0.07 ± 0.02	0.06 ± 0.01	0.13 ± 0.03	0.06 ± 0.01	0.05 ± 0.002	0.11 ± 0.01			
12476	Guinea fowl, whole	11.0	0.12 ± 0.03	0.08 ± 0.02	0.20 ± 0.04	0.10 ± 0.01	0.05 ± 0.003	0.15 ± 0.01			
12540	Guinea fowl, whole	19.0	0.18 ± 0.05	0.14 ± 0.02	0.32 ± 0.07	0.12 ± 0.02	0.12 ± 0.005	0.24 ± 0.03			
Game (birds)											
12441	Mallard, fresh	19.3	6.56 ± 0.36	3.59 ± 0.07	10.2 ± 0.43	6.56 ± 0.36	3.59 ± 0.06	10.2 ± 0.42			
12442	Mallard, fresh	21.9	3.60 ± 0.22	2.12 ± 0.06	5.72 ± 0.28	3.60 ± 0.22	2.12 ± 0.05	5.72 ± 0.28			
12443	Mallard, oven ready	29.5	2.82 ± 0.22	1.08 ± 0.03	3.90 ± 0.25	2.81 ± 0.20	1.07 ± 0.03	3.88 ± 0.23			
12449	Grouse	2.9	1.35 ± 0.34	0.47 ± 0.03	1.82 ± 0.36	1.17 ± 0.46	0.46 ± 0.01	1.63 ± 0.47			
12519	Grouse (young)	1.0	0.81 ± 0.27	0.68 ± 0.09	1.49 ± 0.36	0.29 ± 0.03	0.58 ± 0.03	0.87 ± 0.06			
12438	Partridge	2.9	0.89 ± 0.19	0.44 ± 0.03	1.33 ± 0.22	0.88 ± 0.20	0.43 ± 0.02	1.31 ± 0.22			
12439	Partridge	4.0	3.83 ± 0.26	1.86 ± 0.05	5.69 ± 0.31	3.82 ± 0.23	1.86 ± 0.05	5.68 ± 0.28			
12440	Partridge	0.8	5.00 ± 1.31	9.27 ± 0.22	14.2 ± 1.53	4.07 ± 0.61	9.27 ± 0.22	13.3 ± 0.83			
12444	Pigeon breasts	2.0	2.69 ± 0.57	3.62 ± 0.15	6.31 ± 0.72	2.52 ± 0.95	3.57 ± 0.06	6.09 ± 1.02			
12445	Pigeon, oven ready	1.7	3.47 ± 0.73	5.89 ± 0.11	9.36 ± 0.84	3.40 ± 0.76	5.86 ± 0.10	9.26 ± 0.86			
12446	Pigeon breasts	3.2	1.89 ± 0.37	1.42 ± 0.07	3.31 ± 0.44	1.84 ± 0.38	1.37 ± 0.03	3.21 ± 0.41			
Ratites											
12450	Ostrich fillet steak	2.2	0.54 ± 0.15	0.27 ± 0.02	0.81 ± 0.17	0.32 ± 0.06	0.25 ± 0.007	0.57 ± 0.06			
12451	Ostrich rump steak	2.1	1.24 ± 0.45	0.12 ± 0.02	1.36 ± 0.47	0.38 ± 0.05	0.07 ± 0.005	0.45 ± 0.06			
12452	Ostrich fillet steak	2.2	0.46 ± 0.16	0.21 ± 0.03	0.67 ± 0.19	0.25 ± 0.09	0.16 ± 0.008	0.41 ± 0.10			
12465	Rhea steak	1.5	1.90 ± 0.42	0.35 ± 0.05	2.25 ± 0.46	1.84 ± 0.46	0.33 ± 0.03	2.17 ± 0.49			

			Concentrations (ng WHO-TEQ/kg fat)																	
			Upper bound			Lower bound														
Code	Description	Fat %	Dioxins			PCBs			Total											
Game (meat)																				
12462	Buffalo, diced	1.4	1.21	±	0.22	1.95	±	0.15	3.16	±	0.37	1.13	±	0.07	1.91	±	0.09	3.04	±	0.16
12463	Bison steak	10.9	0.09	±	0.04	0.03	±	0.01	0.12	±	0.05	0.01	±	0.003	0.008	±	0.001	0.02	±	0.004
12464	Buffalo, rump steak	6.5	1.00	±	0.07	1.62	±	0.06	2.62	±	0.14	1.00	±	0.06	1.62	±	0.06	2.62	±	0.12
12447	Muntjac deer, minced	3.5	1.63	±	0.33	1.31	±	0.05	2.94	±	0.39	1.59	±	0.36	1.28	±	0.04	2.87	±	0.40
12453	Venison sausages	8.3	0.17	±	0.05	0.17	±	0.02	0.34	±	0.07	0.10	±	0.03	0.14	±	0.002	0.24	±	0.03
12454	Venison sausages	16.4	0.20	±	0.07	0.15	±	0.03	0.35	±	0.09	0.06	±	0.005	0.11	±	0.003	0.17	±	0.008
12455	Venison sausages	3.6	3.39	±	0.43	2.35	±	0.05	5.74	±	0.48	3.34	±	0.47	2.35	±	0.05	5.69	±	0.52
12456	Wild boar sausages	13.8	0.46	±	0.12	0.11	±	0.02	0.57	±	0.14	0.30	±	0.06	0.09	±	0.005	0.39	±	0.06
12457	Wild boar sausages	12.3	0.18	±	0.05	0.07	±	0.01	0.25	±	0.07	0.14	±	0.03	0.04	±	0.002	0.18	±	0.03
12458	Wild boar & apple sausages	6.3	0.40	±	0.14	0.14	±	0.02	0.54	±	0.16	0.13	±	0.02	0.12	±	0.02	0.25	±	0.03
12459	Wild boar burgers	12.3	0.43	±	0.15	0.11	±	0.02	0.54	±	0.16	0.23	±	0.07	0.09	±	0.006	0.32	±	0.08
12460	Wild boar, loin steaks	1.9	1.71	±	0.52	0.23	±	0.02	1.94	±	0.54	1.27	±	0.52	0.22	±	0.02	1.49	±	0.54
12461	Wild boar steaks	7.2	0.36	±	0.13	0.04	±	0.01	0.40	±	0.14	0.11	±	0.02	0.02	±	0.001	0.13	±	0.02
12466	Hare, whole	3.8	4.28	±	0.23	4.01	±	0.12	8.29	±	0.34	4.28	±	0.24	3.98	±	0.06	8.26	±	0.29
12467	Hare, whole oven ready	1.5	7.25	±	0.45	3.57	±	0.10	10.8	±	0.54	7.24	±	0.43	3.53	±	0.06	10.8	±	0.48
12468	Hare, whole	3.1	3.20	±	0.20	2.06	±	0.06	5.26	±	0.26	3.20	±	0.18	2.04	±	0.04	5.24	±	0.22
Other meats																				
12469	Kangaroo fillet steaks	1.5	0.72	±	0.29	0.12	±	0.02	0.84	±	0.31	0.006	±	0.0005	0.09	±	0.006	0.09	±	0.006
12470	Boneless kangaroo rump	1.0	1.02	±	0.36	0.14	±	0.02	1.16	±	0.38	0.28	±	0.08	0.12	±	0.006	0.40	±	0.08
12471	Kangaroo fillet	1.8	0.80	±	0.25	0.08	±	0.02	0.88	±	0.27	0.35	±	0.05	0.06	±	0.01	0.41	±	0.06
12615	Snails in champagne	2.3	0.90	±	0.14	0.43	±	0.03	1.33	±	0.17	0.89	±	0.14	0.42	±	0.02	1.31	±	0.15
13294	Sheep testicles	1.9	0.80	±	0.08	0.22	±	0.02	1.02	±	0.10	0.79	±	0.08	0.21	±	0.008	1.00	±	0.09
13295	Sheep testicles	2.3	0.69	±	0.07	0.19	±	0.02	0.88	±	0.09	0.68	±	0.07	0.17	±	0.008	0.85	±	0.08

			Concentrations (ng WHO-TEQ/kg fat)											
			Upper bound			Lower bound								
Code	Description	Fat %	Dioxins		PCBs	Total	Dioxins		PCBs	Total				
Milk and milk products														
12502	Buffalo milk	6.8	0.36	± 0.04	0.40	± 0.03	0.76	± 0.07	0.35	± 0.04	0.39	± 0.009	0.74	± 0.04
12503	Buffalo milk, fresh	4.4	0.45	± 0.10	0.28	± 0.02	0.73	± 0.13	0.44	± 0.12	0.27	± 0.01	0.71	± 0.13
12504	Buffalo milk, UHT	6.5	0.39	± 0.10	0.46	± 0.04	0.85	± 0.13	0.37	± 0.12	0.44	± 0.008	0.81	± 0.12
12993	Organic semi-skimmed milk	1.6	0.19	± 0.07	0.07	± 0.01	0.26	± 0.09	0.04	± 0.009	0.05	± 0.002	0.09	± 0.01
12994	Whole milk, fresh	3.6	0.41	± 0.10	0.22	± 0.02	0.63	± 0.12	0.34	± 0.05	0.21	± 0.007	0.55	± 0.06
12995	Whole milk, fresh	2.7	0.52	± 0.11	0.38	± 0.02	0.90	± 0.13	0.50	± 0.13	0.37	± 0.009	0.87	± 0.14
12996	Semi-skimmed milk	1.7	0.23	± 0.08	0.06	± 0.01	0.29	± 0.09	0.12	± 0.05	0.04	± 0.002	0.16	± 0.05
12499	Omega 3 semi-skimmed milk	1.5	0.12	± 0.04	0.13	± 0.02	0.25	± 0.06	0.06	± 0.006	0.12	± 0.01	0.18	± 0.02
12500	Omega 3 whole milk	2.8	0.52	± 0.10	0.46	± 0.05	0.98	± 0.15	0.51	± 0.12	0.40	± 0.008	0.91	± 0.13
12501	Omega 3 whole milk	2.4	0.80	± 0.12	0.89	± 0.05	1.69	± 0.17	0.80	± 0.12	0.86	± 0.02	1.66	± 0.15
12997	Omega 3 semi-skimmed milk	1.5	0.21	± 0.08	0.10	± 0.02	0.31	± 0.09	0.11	± 0.05	0.08	± 0.005	0.19	± 0.06
12505	Sheep's milk powder	1.6	0.24	± 0.10	0.13	± 0.01	0.37	± 0.11	0.001	± 0.001	0.12	± 0.003	0.12	± 0.003
12506	Sheep's milk, pasteurised	2.7	0.61	± 0.09	0.26	± 0.02	0.87	± 0.11	0.61	± 0.09	0.24	± 0.006	0.85	± 0.10
12507	Sheep's milk, pasteurised	5.0	0.49	± 0.08	0.28	± 0.03	0.77	± 0.10	0.48	± 0.08	0.27	± 0.008	0.75	± 0.09
12518	Buffalo bio yogurt	5.1	0.70	± 0.10	0.64	± 0.05	1.34	± 0.15	0.68	± 0.10	0.62	± 0.01	1.30	± 0.11
12508	Organic bio-yoghurt	0.2	2.25	± 0.71	0.78	± 0.19	3.03	± 0.90	1.01	± 0.21	0.52	± 0.02	1.53	± 0.22
12509	Low fat natural yoghurt	1.2	0.43	± 0.16	0.36	± 0.08	0.79	± 0.25	0.15	± 0.03	0.19	± 0.002	0.34	± 0.03
12510	Low fat natural yogurt	1.3	0.47	± 0.14	0.18	± 0.02	0.65	± 0.17	0.29	± 0.08	0.16	± 0.02	0.45	± 0.10
12511	Low fat natural bio-yogurt	0.9	0.95	± 0.35	0.36	± 0.04	1.31	± 0.38	0.22	± 0.03	0.03	± 0.008	0.25	± 0.03
12512	Natural goats' milk yoghurt	5.4	0.54	± 0.08	0.68	± 0.03	1.22	± 0.11	0.53	± 0.08	0.67	± 0.01	1.20	± 0.09
12513	Natural goats' milk yoghurt	7.0	0.41	± 0.10	0.42	± 0.03	0.83	± 0.13	0.34	± 0.05	0.41	± 0.01	0.75	± 0.06
12514	Natural goats' milk yoghurt	6.6	0.34	± 0.06	0.55	± 0.04	0.89	± 0.10	0.34	± 0.06	0.53	± 0.03	0.87	± 0.09
12515	Ewe's milk live natural yogurt	3.6	0.46	± 0.07	0.25	± 0.03	0.71	± 0.10	0.45	± 0.08	0.20	± 0.002	0.65	± 0.08
12516	Organic sheep's milk yoghurt	5.1	0.48	± 0.08	0.43	± 0.05	0.91	± 0.13	0.46	± 0.08	0.36	± 0.004	0.82	± 0.08
12517	Organic sheep's milk yoghurt	5.9	0.48	± 0.08	0.25	± 0.02	0.73	± 0.10	0.46	± 0.10	0.24	± 0.007	0.70	± 0.10

			Concentrations (ng WHO-TEQ/kg fat)						
			Upper bound			Lower bound			
Code	Description	Fat %	Dioxins	PCBs	Total	Dioxins	PCBs	Total	
Milk and milk products (cont.)									
12525	Organic pasteurised cream	46.4	0.99 ± 0.14	0.82 ± 0.04	1.81 ± 0.17	0.98 ± 0.16	0.81 ± 0.01	1.79 ± 0.17	
12526	Pasteurised single cream	18.6	0.45 ± 0.10	0.32 ± 0.02	0.77 ± 0.12	0.38 ± 0.04	0.31 ± 0.01	0.69 ± 0.05	
12527	Thick double cream	49.0	0.53 ± 0.08	0.28 ± 0.02	0.81 ± 0.09	0.52 ± 0.08	0.27 ± 0.008	0.79 ± 0.09	
12521	Vanilla dairy ice cream	9.4	0.34 ± 0.08	0.18 ± 0.02	0.52 ± 0.10	0.26 ± 0.03	0.16 ± 0.005	0.42 ± 0.04	
12522	Vanilla dairy ice-cream	7.1	0.48 ± 0.11	0.31 ± 0.03	0.79 ± 0.14	0.47 ± 0.12	0.28 ± 0.006	0.75 ± 0.13	
12523	Vanilla dairy ice-cream	9.5	0.49 ± 0.06	0.39 ± 0.02	0.88 ± 0.08	0.49 ± 0.06	0.38 ± 0.009	0.87 ± 0.07	
12524	Luxury dairy ice-cream	7.8	0.80 ± 0.10	0.37 ± 0.03	1.17 ± 0.12	0.79 ± 0.10	0.36 ± 0.01	1.15 ± 0.11	
12528	Curd cheese	7.0	0.34 ± 0.08	0.25 ± 0.02	0.59 ± 0.10	0.28 ± 0.04	0.23 ± 0.007	0.51 ± 0.04	
12529	Curd cheese	12.9	0.37 ± 0.09	0.28 ± 0.02	0.65 ± 0.11	0.35 ± 0.11	0.27 ± 0.009	0.62 ± 0.12	
12530	Curd cheese	12.4	0.45 ± 0.08	0.39 ± 0.02	0.84 ± 0.10	0.43 ± 0.08	0.38 ± 0.01	0.81 ± 0.09	
12531	Grated mozzarella	17.9	0.46 ± 0.08	0.45 ± 0.03	0.91 ± 0.11	0.46 ± 0.08	0.43 ± 0.008	0.89 ± 0.09	
12532	Grated mozzarella	21.4	0.54 ± 0.09	0.89 ± 0.04	1.43 ± 0.12	0.53 ± 0.09	0.88 ± 0.02	1.41 ± 0.11	
12533	Grated mozzarella	18.7	0.78 ± 0.11	0.36 ± 0.03	1.14 ± 0.13	0.77 ± 0.11	0.33 ± 0.004	1.10 ± 0.12	
Eggs									
12534	Omega 3 free range eggs	8.9	0.64 ± 0.14	0.20 ± 0.02	0.84 ± 0.16	0.56 ± 0.06	0.16 ± 0.002	0.72 ± 0.06	
12535	Omega 3 free range eggs	8.5	0.52 ± 0.16	0.19 ± 0.04	0.71 ± 0.20	0.36 ± 0.02	0.11 ± 0.002	0.47 ± 0.03	
12536	Omega 3 enriched Eggs	9.8	0.22 ± 0.08	0.10 ± 0.02	0.32 ± 0.10	0.08 ± 0.01	0.08 ± 0.002	0.16 ± 0.01	
12537	Gulls' eggs	9.8	8.13 ± 0.40	33.5 ± 0.92	41.6 ± 1.32	8.13 ± 0.40	33.5 ± 0.92	41.6 ± 1.32	
12538	Gulls' eggs	11.3	12.8 ± 0.76	21.9 ± 0.56	34.7 ± 1.32	12.8 ± 0.76	21.9 ± 0.56	34.7 ± 1.32	
12539	Gulls' eggs	8.4	26.3 ± 1.29	26.4 ± 0.75	52.7 ± 2.05	26.3 ± 1.29	26.4 ± 0.75	52.7 ± 2.05	
Fats and oils									
12616	Walnut oil.	100	0.10 ± 0.03	0.09 ± 0.02	0.19 ± 0.05	0.06 ± 0.005	0.07 ± 0.008	0.13 ± 0.01	
12617	Walnut oil	100	0.14 ± 0.05	0.08 ± 0.02	0.22 ± 0.07	0.03 ± 0.001	0.03 ± 0.007	0.06 ± 0.008	
12618	Flaxseed oil	100	0.20 ± 0.08	0.10 ± 0.04	0.30 ± 0.12	0.001 ± 0.001	0.02 ± 0.001	0.02 ± 0.002	
12619	Hempseed oil	100	0.19 ± 0.08	0.04 ± 0.02	0.23 ± 0.09	n.d. ± -	0.01 ± 0.001	0.01 ± 0.002	
12620	Evening primrose oil	100	0.11 ± 0.03	0.06 ± 0.01	0.17 ± 0.05	0.06 ± 0.004	0.04 ± 0.003	0.10 ± 0.007	
12621	Evening primrose oil, capsules	100	0.06 ± 0.03	0.07 ± 0.01	0.13 ± 0.04	0.002 ± 0.001	n.d. ± -	0.002 ± 0.001	
10309	Seal oil	100	0.81 ± 0.13	6.99 ± 0.29	7.80 ± 0.42	0.80 ± 0.16	6.99 ± 0.29	7.79 ± 0.45	
10433	Seal oil	100	1.59 ± 0.17	8.04 ± 0.36	9.63 ± 0.52	1.58 ± 0.18	8.04 ± 0.36	9.62 ± 0.53	

		Concentrations (ng WHO-TEQ/kg whole weight)					
		<i>Upper bound</i>			<i>Lower bound</i>		
Code	Description	Dioxins	PCBs	Total	Dioxins	PCBs	Total
Fish & fisheries products							
12496	Bass (farmed)	0.29 ± 0.02	1.67 ± 0.02	1.96 ± 0.05	0.29 ± 0.02	1.67 ± 0.02	1.96 ± 0.04
12497	Bass (farmed)	0.18 ± 0.01	1.43 ± 0.03	1.61 ± 0.04	0.18 ± 0.01	1.43 ± 0.03	1.61 ± 0.04
12498	Bass (farmed)	0.22 ± 0.02	1.37 ± 0.02	1.59 ± 0.04	0.22 ± 0.02	1.37 ± 0.02	1.59 ± 0.04
12481	Bass (wild)	0.08 ± 0.009	0.60 ± 0.01	0.68 ± 0.02	0.08 ± 0.01	0.60 ± 0.01	0.68 ± 0.02
12482	Bass (wild)	0.13 ± 0.02	0.90 ± 0.02	1.03 ± 0.03	0.13 ± 0.01	0.90 ± 0.02	1.03 ± 0.03
12483	Bass (wild)	0.09 ± 0.008	0.93 ± 0.02	1.02 ± 0.03	0.09 ± 0.008	0.93 ± 0.02	1.02 ± 0.03
12477	Butterfish	0.56 ± 0.07	1.74 ± 0.03	2.30 ± 0.09	0.56 ± 0.07	1.73 ± 0.03	2.29 ± 0.10
12472	Conger eel	0.10 ± 0.01	1.02 ± 0.02	1.12 ± 0.03	0.10 ± 0.01	1.02 ± 0.02	1.12 ± 0.03
12473	Conger eel	0.23 ± 0.01	2.10 ± 0.04	2.33 ± 0.05	0.23 ± 0.01	2.10 ± 0.04	2.33 ± 0.05
12474	Conger eel	0.28 ± 0.01	0.93 ± 0.02	1.21 ± 0.03	0.28 ± 0.02	0.93 ± 0.02	1.21 ± 0.03
12493	Eels (farmed freshwater)	0.33 ± 0.02	1.96 ± 0.04	2.29 ± 0.06	0.33 ± 0.02	1.96 ± 0.04	2.29 ± 0.06
12494	Eels (farmed freshwater)	0.20 ± 0.03	0.63 ± 0.02	0.83 ± 0.04	0.19 ± 0.03	0.63 ± 0.02	0.82 ± 0.04
12495	Eels (farmed freshwater)	0.07 ± 0.02	0.68 ± 0.02	0.75 ± 0.03	0.06 ± 0.008	0.68 ± 0.02	0.74 ± 0.03
12475	Ice fish	0.16 ± 0.04	0.48 ± 0.01	0.64 ± 0.05	0.14 ± 0.02	0.47 ± 0.007	0.61 ± 0.02
12484	Skate	0.07 ± 0.004	0.05 ± 0.003	0.12 ± 0.008	0.07 ± 0.004	0.05 ± 0.002	0.12 ± 0.005
12485	Skate	0.03 ± 0.005	0.02 ± 0.002	0.05 ± 0.006	0.03 ± 0.005	0.02 ± 0.002	0.05 ± 0.007
12486	Skate	0.02 ± 0.004	0.01 ± 0.002	0.03 ± 0.005	0.02 ± 0.004	0.01 ± 0.002	0.03 ± 0.006
12478	Sprats	0.52 ± 0.03	0.51 ± 0.03	1.03 ± 0.06	0.52 ± 0.03	0.50 ± 0.01	1.02 ± 0.04
12479	Sprats	1.69 ± 0.09	2.86 ± 0.06	4.55 ± 0.15	1.69 ± 0.09	2.86 ± 0.05	4.55 ± 0.14
12480	Sprats	1.35 ± 0.07	2.60 ± 0.05	3.95 ± 0.11	1.35 ± 0.07	2.60 ± 0.05	3.95 ± 0.12
12490	Tilapia	0.02 ± 0.004	0.07 ± 0.002	0.09 ± 0.006	0.02 ± 0.005	0.07 ± 0.003	0.09 ± 0.008
12491	Tilapia	0.03 ± 0.002	0.04 ± 0.003	0.07 ± 0.004	0.03 ± 0.002	0.04 ± 0.003	0.07 ± 0.005
12492	Tilapia	0.02 ± 0.01	0.02 ± 0.003	0.04 ± 0.01	0.003 ± 0.001	0.01 ± 0.002	0.02 ± 0.002
12487	Whelks	0.02 ± 0.004	0.03 ± 0.004	0.05 ± 0.007	0.02 ± 0.002	0.03 ± 0.002	0.04 ± 0.004
12488	Whelks	0.03 ± 0.008	0.02 ± 0.003	0.05 ± 0.01	0.02 ± 0.003	0.02 ± 0.001	0.03 ± 0.004
12489	Whelks	0.07 ± 0.006	0.06 ± 0.003	0.13 ± 0.008	0.07 ± 0.005	0.06 ± 0.003	0.13 ± 0.007

		Concentrations (ng WHO-TEQ/kg whole weight)					
		<i>Upper bound</i>			<i>Lower bound</i>		
Code	Description	Dioxins	PCBs	Total	Dioxins	PCBs	Total
	Vegetables*						
12628	Butternut squash	0.003 ± 0.001	0.001 ± 0.001	0.003 ± 0.001	0.002 ± 0.001	0.001 ± 0.001	0.002 ± 0.002
12623	Courgettes	0.003 ± 0.001	0.001 ± 0.001	0.004 ± 0.002	0.001 ± 0.001	0.001 ± 0.001	0.001 ± 0.001
12625	Courgettes	0.05 ± 0.004	0.004 ± 0.002	0.05 ± 0.003	0.05 ± 0.004	0.004 ± 0.002	0.05 ± 0.006
12626	Pumpkin	0.002 ± 0.001	0.001 ± 0.001	0.003 ± 0.001	0.001 ± 0.001	0.001 ± 0.001	0.002 ± 0.002
12622	Pumpkin	0.008 ± 0.002	0.002 ± 0.002	0.01 ± 0.002	0.007 ± 0.001	0.002 ± 0.001	0.009 ± 0.002
12624	Pumpkin	0.002 ± 0.001	0.001 ± 0.001	0.002 ± 0.001	0.001 ± 0.001	0.001 ± 0.001	0.001 ± 0.002
12627	Pumpkin	0.01 ± 0.003	0.001 ± 0.001	0.01 ± 0.004	0.01 ± 0.001	0.001 ± 0.001	0.01 ± 0.002
12629	Spaghetti squash	0.005 ± 0.001	0.001 ± 0.001	0.006 ± 0.002	0.004 ± 0.001	0.001 ± 0.001	0.004 ± 0.002

* Vegetables are reported on a whole weight basis as foods with fat content <1%

Results for Gull Eggs and Wild Mallard, expressed on a whole weight basis

		Concentrations (ng WHO-TEQ/kg whole weight)					
		<i>Upper bound</i>			<i>Lower bound</i>		
Code	Description	Dioxins	PCBs	Total	Dioxins	PCBs	Total
12537	Gulls' eggs	0.80 ± 0.04	3.28 ± 0.09	4.08 ± 0.13	0.80 ± 0.04	3.28 ± 0.09	4.08 ± 0.13
12538	Gulls' eggs	1.44 ± 0.09	2.47 ± 0.06	3.92 ± 0.15	1.44 ± 0.09	2.47 ± 0.06	3.92 ± 0.15
12539	Gulls' eggs	2.21 ± 0.11	2.21 ± 0.06	4.42 ± 0.17	2.21 ± 0.11	2.21 ± 0.06	4.42 ± 0.17
12441	Mallard, fresh	1.27 ± 0.07	0.69 ± 0.01	1.96 ± 0.08	1.27 ± 0.07	0.69 ± 0.01	1.96 ± 0.08
12442	Mallard, fresh	0.79 ± 0.05	0.46 ± 0.01	1.25 ± 0.06	0.79 ± 0.05	0.46 ± 0.01	1.25 ± 0.06
12443	Mallard, oven ready	0.83 ± 0.07	0.32 ± 0.009	1.15 ± 0.07	0.83 ± 0.06	0.32 ± 0.008	1.14 ± 0.07

Annex 2

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12408	Beef Burger (Good Choice)	Iceland, Unit 2, Llynfi Walk, Maesteg, CF34 9DS	09:31 5346	07/03/2006	12/12/2006
12409	Beef burgers with real onion	Netto, Western Road, Mitcham, Surrey, CR4 3EA	F06D 10:26	23/02/2006	01/02/2007
12410	Beef burgers	E E Pratt, 4 Drayton High Road, Drayton, Norwich, NR8 6AF	-	13/03/2006	-
12411	Xtra special Aberdeen Angus beef sausages	Asda, Reigate Road, Burgh Heath, Surrey, KT20 5NZ	-	16/02/2006	23/02/2006
12412	Beef Sausages	T Johnston Butcher, 4 Main Street, Brightons, Falkirk, FK2 0JT	-	18/03/2006	-
12413	The Best 8 Scottish Aberdeen Angus beef link sausages	Morrison's, Gorse Covert, Loughborough, LE11 4RZ	UK 5246 EC	14/03/2006	15/03/2006
12414	ASDA corned beef premium slices	Asda, Reigate Road, Burgh Heath, Surrey, KT20 5NZ	UK TC015 EEC	23/02/2006	09/03/2006
12415	Tesco Value Corned Beef	Tesco, Newmans Road, Renfrew, PA4 0NQ	UK NLOO8 EEC	26/02/2006	11/03/2006
12416	Fray Bentos Corned Beef	Booths, Stanley Road, Knutsford, Cheshire, WA16 0BS	15354A	12/04/2006	01/06/2010
12417	Veal	J Chitty and Son, Aberdeen House, Middle Street, Brockham Green, Brockham, Surrey, RH3 7JT	-	16/02/2006	-
12418	Veal	Coffey's Butchers, 380 Lisburn Road, Belfast, BT9 6GL	-	21/04/2006	-
12419	Veal	Eric Oakland & Son, 210 Park Road, Loughborough, Leicestershire, LE11 2HJ	-	17/03/2006	-
12420	Asda Back Bacon Unsmoked 16 Rashers	Asda, Milne Street, Chadderton, Oldham, OL9 0JE	M15:33	03/02/2006	05/03/2006
12421	Bacon	Fred Elliot's, 24 Bridge Street, Banbridge, BT32 3JS	-	25/02/2006	-
12422	Tesco Smoked 8 Wiltshire Cure Back Bacon Rashers	Tesco, Reigate Road, Hookwood, Surrey, RH6 0AT	UK AH007 EC	03/02/2006	02/03/2006
12423	Porky Whites Surrey Pork Sausages	Asda, Reigate Road, Burgh Heath, Surrey, KT20 5NZ	UK MT010 EEC	16/02/2006	18/02/2006
12424	8 British pork sausages	Sainsbury's, Greenhouse Lane, Loughborough, LE11 0AS	09:50 C T0039	14/03/2006	17/03/2006
12425	Thick pork sausages	Iceland, 57 High Street, Gorleston on Sea, Great Yarmouth, Norfolk, NR31 6QX	L6052FPB2	13/03/2006	21/11/2006

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12426	Cooked gammon	Asda, Drayton High Road, Drayton, Norwich, NR6 5DT	-	13/03/2006	14/03/2006
12427	Carvery Dry Cure Ham	Morrison's, Anchor Mills, Paisley, PA1 1GZ	UK 2060 EEC	23/02/2006	09/03/2006
12428	Spar Cooked Ham	Spar, Henderson Retail Ltd, Banbridge, Dromore Road, Banbridge, County Down, BT32 4EB	UK KI019 EEC	25/02/2006	10/03/2006
12429	Pork luncheon meat slices	Tesco, Reigate Road, Hookwood, Horley, Surrey, RH6 0AT	-	17/03/2006	19/03/2006
12430	Pork luncheon meat	Sainsbury's, Pound Lane, Thorpe St Andrew, Norwich, NR7 0SR	-	13/03/2006	13/03/2006
12431	Tesco Pork Luncheon Meat	Tesco, Waterton Industrial Estate, Cowbridge Road, Bridgend, CF31 3SQ	-	07/03/2006	09/03/2006
12432	Asda British Lamb Mince	Asda, Milne Street, Chadderton, Oldham, OL9 0JE	00:08X	03/02/2006	09/02/2006
12433	Tesco Welsh Lamb Mince	Tesco, Waterton Industrial Estate, Cowbridge Road, Bridgend, CF31 3SQ	UK 8299 EEC	07/03/2006	09/03/2006
12434	Lamb Mince	J Chitty and Son, Aberdeen House, Middle Street, Brockham Green, Brockham, Surrey, RH3 7JT	-	16/02/2006	-
12435	Speedy Snacks southern fried chicken burgers	Asda, Reigate Road, Burgh Heath, Surrey, KT20 5NZ	06040/1 06:14:00	16/02/2006	27/02/2006
12436	Birds Eye Chicken Burgers	Tesco, Broughton Park, Broughton Road, Clwyd, CH4 0DP	L6058E0124	12/04/2006	01/05/2006
12437	Birds Eye Chicken Burgers	Morrison's, Anchor Mills, Paisley, PA1 1GZ	L6016UQ124 18.36B	23/02/2006	01/04/2007
12438	Partridge Whole x2	Craigadam, Kirkpatrick Durham, Kirkcudbrightshire, DG7 3HU	-	04/05/2006	-
12439	Local wild partridge whole x4	Graig Farm Organics, Dolau, Llandrindod Wells, Powys, LD1 5TL	-	10/01/2006	16/01/2007
12440	Partridge Oven Ready x4	Alternative Meats Ltd, Hough Farm, Weston Under Redcastle, Shrewsbury, Shropshire, SY4 5LR	12/01/2006	10/01/2006	11/01/2007
12441	Fresh Mallard x4	Blackface, Weatherall Foods Limited, Crochmore House, Irongray, Dumfries, DG2 9SF	Batch 806	10/01/2006	23/01/2006
12442	Fresh mallard x2	Holme Farmed Venison, 9 First Avenue, Aviation Road, Sherburn in Elmet, North Yorkshire, LS25 6PD	-	10/01/2006	-
12443	Julies Poultry and Game Oven Ready Mallard x4	Quality Cuts (Steve Brooks Butchers), 25 High Street, Sandbach, Cheshire, CW11 1AH	UK 4530 N	10/01/2006	20/01/2006

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12444	Pigeon Breasts	Eric Oakland & Son, 210 Park Road, Loughborough, LE11 2HJ	-	11/05/2006	-
12445	Julies Poultry and Game Oven Ready Pigeon x8	Quality Cuts (Steve Brooks Butchers), 25 High Street, Sandbach, Cheshire, CW11 1AH	UK 4530 N	10/01/2006	04/07/2006
12446	Pigeon Breasts	Osgrow, 7b Boyce's Avenue, Clifton, Bristol, BS8 4AA	12/01/2006	13/01/2006	12/01/2007
12447	Muntjac Deer -minced	Manor Farm Game, Long Grove Wood Farm, 234 Chartridge Lane, Chesham, Bucks, HP5 2SG	-	10/03/2006	-
12448	Guinea Fowl Supremes	Manor Farm Game, Long Grove Wood Farm, 234 Chartridge Lane, Chesham, HP5 2SG	-	10/03/2006	-
12476	Guinea Fowl Whole	C.S. Austin, 132 Northgate Street, Chester, CH1 2HT	13507	20/05/2006	19/04/2007
12540	Guinea Fowl Whole	Eric Oakland & Son, 210 Park Road, Loughborough, LE11 2HJ	-	11/05/2006	-
12449	Grouse x4	Blackface, Weatherall Foods Limited, Crochmore House, Irongray, Dumfries, DG2 9SF	-	10/01/2006	-
12519	Young Grouse	Alternative Meats Ltd, Hough Farm, Weston Under Redcastle, Shrewsbury, Shropshire, SY4 5LR	-	01/09/2006	23/08/2007
12450	Ostrich Fillet Steak	MNS Ostriches Ltd, Crinacott Farm, Pyworthy, Holsworthy, Devon, EX22 6LJ	UK 8022 N	12/01/2006	26/01/2006
12451	Ostrich Rump Steaks	Osgrow, 7b Boyce's Avenue, Clifton, Bristol, BS8 4AA	10/12/2005	13/01/2006	10/12/2006
12452	Ostrich fillet steak	C.S. Austin, 132 Northgate Street, Chester, CH1 2HT	25-Apr-06	20/05/2006	25/04/2007
12453	Walker Venison Sausages	Waitrose, Church Street, Wilmslow, Cheshire, SK9 1AY	UK LJ013 EC	12/04/2006	15/04/2006
12454	Venison Sausages	Craigadam, Kirkpatrick Durham, Kirkcudbrightshire, DG7 3HU	-	04/05/2006	09/05/2006
12455	Venison Sausage with Black Pepper	Alternative Meats Ltd, Hough Farm, Weston Under Redcastle, Shrewsbury, Shropshire, SY4 5LR	38727	10/01/2006	16/01/2006
12456	Wild boar sausages -additive free	Graig Farm Organics, Dolau, Llandrindod Wells, Powys, LD1 5TL	-	10/01/2006	16/01/2007
12457	Wild Boar Sausages	Farmers Market, Moyallon Foods, The Farm 67 Crowhill Rd, Lurgan, Craigavon, Co Armagh, BT66 7AT	-	24/02/2006	03/03/2006
12458	Wild boar and apple sausages	Highlander Organics, 14 Bittacy Hill, Mill Hill, London, NW7 1LB	-	18/02/2006	27/02/2006

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12459	Wild boar burgers -additive free -gluten free	Graig Farm Organics, Dolau, Llandrindod Wells, Powys, LD1 5TL	-	10/01/2006	16/01/2007
12460	Wild Boar Loin Steaks	Alternative Meats Ltd, Hough Farm, Weston Under Redcastle, Shrewsbury, Shropshire, SY4 5LR	12/01/2006	10/01/2006	11/01/2007
12461	Wild Boar steaks	Holme Farmed Venison, 9 First Avenue, Aviation Road, Sherburn in Elmet, North Yorkshire, LS25 6PD	-	10/01/2006	01/02/2006
12462	Buffalo Diced	Barrow Boar Ltd., Foster's Farm, South Barrow, Yeovil, Somerset, BA22 7LN	Ref No 181005	10/01/2006	25/01/2006
12463	Bison Steak	C.S. Austin, 132 Northgate Street, Chester, CH1 2HT	Packed 02/05/06	20/05/2006	21/05/2006
12464	Buffalo Rump Steak	Buffalo House, Bury Farm, Mill Road, Slapton, Leighton Buzzard, Bedfordshire, LU7 9BT	ref 11105	12/01/2006	01/06/2006
12465	Rhea Steak	David Wellock, Hurries Farm, Otterburn, Skipton, BD23 4DY	-	16/05/2006	-
12466	Whole Hare	Quality Cuts (Steve Brooks Butchers), 25 High Street, Sandbach, Cheshire, CW11 1AH	UK 4530 N	10/01/2006	-
12467	Whole Hare -oven ready	Blackface, Weatherall Foods Limited, Crochmore House, Irongray, Dumfries, DG2 9SF	batch 106	10/01/2006	30/01/2006
12468	Hare -whole	Holme Farmed Venison, 9 First Avenue, Aviation Road, Sherburn in Elmet, North Yorkshire, LS25 6PD	-	10/01/2006	-
12469	Kangaroo Fillet Steaks -portioned	Alternative Meats Ltd, Hough Farm, Weston Under Redcastle, Shrewsbury, Shropshire, SY4 5LR	12/01/2006	10/01/2006	11/01/2007
12470	Boneless kangaroo rump	Highlander Organics, 14 Bittacy Hill, Mill Hill, London, NW7 1LB	Packed 10-10-05	18/02/2006	11/04/2008
12471	Kangaroo Fillet	Osgrow, 7b Boyce's Avenue, Clifton, Bristol, BS8 4AA	Packed 06/01/06	13/01/2006	06/01/2008
12615	Snails in champagne	Harvey Nichols, 107 - 111 Briggate, Leeds, LS1 6AZ	-	02/09/2006	28/10/2009
12472	Conger eel portion	Simsons Fisheries, Imperial House, Redlands, Coulsdon, Surrey, CR5 2HT	-	17/03/2006	-
12473	Conger Eel Steaks	The Fish Society, 6 Scotlands Close, Haslemere, Surrey, GU27 3AE	-	10/01/2006	01/05/2006
12474	Conger Eel -Whole	T H Nicholson, The Harbour, Kilkeel, Newry, County Down, BT34 4AX	-	24/02/2006	-
12475	Ice fish	Snowden & Co (Cardiff) Ltd, East Bay Close, Adamsdown, Cardiff, CF10 4BA	-	10/03/2006	-

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12477	Butterfish fillet portions	Simsons Fisheries, Imperial House, Redlands, Coulsdon, Surrey, CR5 2HT	-?	17/03/2006	-
12478	2kg Fresh Whole Sprats	Andy Race, Andy Race Fish Merchants Ltd, The Port Of Mallaig, Inverness-shire, PH41 4PX	-	23/11/2005	27/11/2005
12479	Sainsbury's fresh whole sprats	Sainsbury's, Monks Cross, Jockey Lane ,York, YO32 9LG	-	08/11/2005	09/11/2005
12480	Morrison's Fresh Sprats	Morrison's, Albion Way, Norwich, NR1 1WU	-	29/10/2005	31/10/2005
12481	Wild Bass	Morrison's, Front Street, Acomb, York, YO24 3BZ	-	06/06/2006	08/06/2006
12482	Wild sea bass fillets	The Wet Plaice, 16 The Strand, Exmouth, Devon, EX8 1AD	-	21/03/2006	-
12483	Wild sea bass Whole (Cornwall)	The Fish Society, 5 Scotlands Close, Haslemere, Surrey, GU27 3AE	-	05/04/2006	01/07/2006
12484	Skate Wings	Birmingham Fish Market, S. Phillips, Stall 111, 50 Edgbaston Street, Birmingham, B5 4RQ	-	13/03/2006	-
12485	Sainsbury's Skate Wings	Sainsbury's, Crawley Avenue, West Green, Crawley, RH10 8NF	-	03/02/2006	04/02/2006
12486	Tesco Skate Wings	Tesco, Broughton Park, Broughton Road, Clwyd, CH4 0DP	-	12/04/2006	13/04/2006
12487	Seasider whelk meat	Simsons Fisheries, Imperial House, Redlands, Coulsdon, CR5 2HT	UK HU-046 EEC	17/03/2006	01/07/2007
12488	Whelks	Legal Seafood Inshops, Paisley Centre, High St Paisley, PA1 2AF	-	28/02/2006	-
12489	Whelks (Tuskar Rock)	Snowden & Co (Cardiff) Ltd, East Bay Close, Adamsdown, Cardiff, CF10 4BA	25/04/2005	10/03/2006	24/10/2006
12490	Red Tilapia	Asda, Reigate Road, Burgh Heath, Surrey, KT20 5NZ	-	03/05/2006	04/05/2006
12491	Tilapia	Birmingham Fish Market, C E Banks, Stall 106, Edgbaston Street, B5 4RQ	-	13/03/2006	-
12492	Tilapia Fillets	The Fish Society, 6 Scotlands Close, Haslemere, Surrey, GU27 3AE	10-Jul-06	10/01/2006	10/07/2007
12493	Freshwater Eel -whole	The Fish Society, 6 Scotlands Close, Haslemere, Surrey, GU27 3AE	-	10/01/2006	01/05/2006
12494	Eel (UK)	Dutch Eel Company Limited, Hall Farm Cottage, Glebe Road, Great Carlton, Louth, Lincolnshire, LN11 8JX	-	11/05/2006	-
12495	Whole eels	Simsons Fisheries, Imperial House, Redlands, Coulsdon, Surrey, CR5 2HT	-	17/03/2006	-

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12496	Whole fresh sea bass (x2)	Tesco, Reigate Road, Hookwood, Horley, Surrey, RH6 0AT	-	17/03/2006	18/03/2006
12497	Sea Bass	Morrison's, Gorse Covert, Loughborough, LE11 4RZ	-	14/03/2006	16/03/2006
12498	Sea bass	Sainsbury's, Pound Lane, Thorpe St Andrew, Norwich, NR7 0SR	-	15/03/2006	16/03/2006
12499	St Ivel Advance Semi-Skimmed Milk with Omega 3	Asda, Monks Cross, Jockey Lane, Huntington, York, YO32 9LF	25/12/2007 23:17:00	20/12/2005	25/12/2005
12997	OMSCO Altogether Better Semi-Skimmed Organic Milk	Sainsbury's, Monks Cross, Jockey Lane, Huntington, York, YO32 9LG	07:36	20/12/2005	22/12/2005
12500	St Ivel Advance Whole Milk with Omega 3	Tesco, Stirling Road, Clifton Moor Centre, York, YO30 4XZ	19:51	08/01/2006	16/01/2006
12501	Marks and Spencer Omega 3 Enriched Whole Milk	Marks & Spencer, 9 The Pavement, York, YO1 8NB		02/01/2006	09/01/2006
12502	Buffalo milk	Waitrose, Easton Centre, Church Lane, Eaton, Norwich, HR4 6NU	UK AQ-008 EEC	15/03/2006	18/03/2006
12503	Fresh Buffalo milk	Buffalo House, Bury Farm, Mill Road, Slapton, Leighton Buzzard, Bedfordshire, LU7 9BT	UK AQ-008 EEC	12/01/2006	26/01/2006
12504	Buffalo milk UHT	Buffalo Milk, Upper Nineveh Farm, Shipston on Stour, Warwickshire, CV36 5EH	L319 10:54	12/01/2006	15/05/2006
12505	Woodlands Sheep's Milk Powder Skimmed	Goodness Direct, South March, Daventry, Northants, NN11 4PH	UK ET008 EEC	05/05/2006	12/10/2006
12506	Naturemade Pasteurised sheep milk	Naturemade, East Johnstone, Bish Mill, South Molton, Devon, EX36 3QE	-	10/01/2006	09/04/2006
12507	Ark Farm Pasteurised sheep milk	Goodness Direct, South March, Daventry, Northants, NN11 4PH	-	10/01/2006	28/03/2006
12508	Yeo Valley organic fat free natural bio live yogurt	Iceland, 3 Broadfield, Barton, Crawley, RH11 9BA	UK SG 014M EC	03/02/2006	18/02/2006
12509	Somerfield low fat natural yogurt	Somerfield, 11a Wilmslow Road, Stockport, SK8 1DW	UK UW 020M EEC	10/03/2006	17/03/2006
12510	Morrison's low fat natural yogurt	Morrison's, Anchor Mills, Paisley, PA1 IG2	UK UW 020M EEC	16/03/2006	30/03/2006
12511	Spelga natural low fat bio yogurt	Supervalu, 26 Newry Street, Banbridge, Co Down, BT32 3HB	UK WD 102M EC	24/04/2006	18/05/2006
12512	St Helen's Farm natural goats milk yogurt	Waitrose, 102-134 High Street, Banstead, Surrey, SM7 2NB	UK EY013M EEC 1102	16/02/2006	02/03/2006

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12513	St Helen's Farm natural goats milk yogurt	Sainsbury's, 10 Darnley Mains Road, Darnley, Glasgow, GS3 7RH	UK EY013M EEC 0956	23/02/2006	14/03/2006
12514	St Helen's Farm natural goats milk yogurt	Tesco, Trivot Way, Portwood, Greater Manchester, SK1 2BT	UK EY0113M EEC 1352	10/03/2006	28/03/2006
12515	Naturemade in Devon live ewe's Milk natural yogurt	Naturemade, East Johnstone, Bish Mill, South Molton, Devon, EX36 3QE	UK ND 003 M EEC	09/05/2006	30/05/2006
12516	Woodlands organic sheep's milk live yoghurt	Sainsbury's, Kiln Lane, Epsom, Surrey, KT17 1EQ	UK ET008 EEC	16/02/2006	10/03/2006
12517	Woodlands Organic Sheep's Milk Live Yoghurt	Goodness Direct, www.goodnessdirect.co.uk	UK ET008 EEC 15D	03/05/2006	14/05/2006
12518	Creamy Buffalo bio yogurt	Buffalo House, Bury Farm, Mill Road, Slapton, Leighton Buzzard, Bedfordshire, LU7 9BT	-	12/01/2006	30/01/2006
12521	Asda vanilla dairy ice cream	Asda, Phoenix Retail Park, Linwood, PA1 2AB	R6017AA2 13:53	14/03/2006	17/01/2007
12522	Kelly's Cornish ice-cream dairy vanilla flavour	Iceland, 57 High Street, Gorleston on Sea, Great Yarmouth, Norfolk, NR31 6QX	3565	13/03/2006	22/06/2007
12523	Somerfield Vanilla flavoured dairy ice-cream made with double cream	Somerfield, Market Street, Loughborough, LE11 3EP	R5200KK 12:57	14/03/2006	01/01/2007
12524	Yorkshire Dales natural flavour old fashioned luxury dairy ice-cream	Morrison's, Bell Street, Reigate, Surrey, RH2 7DA	L6024 10:50 10:52	23/02/2006	01/07/2007
12525	Lubcloud Dairy organic pourable cream, fresh, pasteurised	Lubcloud Dairy Ltd, Lubcloud Dairy, Oaks in Charnwood, Loughborough, Leicestershire, LE12 9YA	68	14/03/2006	23/03/2006
12526	Somerfield pasteurised single cream	Somerfield, 11a Wilmslow Road, Stockport, SK8 1DW	12 MAR EN006M 12:46 3 L2	10/03/2006	12/03/2006
12527	Tesco Fresh really thick double cream	Tesco, Reigate Road, Hookwood, Surrey, RH6 0AT	UK EN006M=L	03/02/2006	06/02/2006
12528	Curd cheese	Waitrose, Queensgate Centre, Peterborough, PE1 1NR	-	15/05/2006	-
12529	Curd cheese	Sainsbury's, Pound Lane, Thorpe St Andrew, Norwich, NR7 0SR	-	15/03/2006	-
12530	Curd cheese	Sainsbury's, Crawley Avenue, West Green, Crawley, RH10 8NF	-	03/02/2006	-
12531	Waitrose mild grated mozzarella	Waitrose, Queensgate Centre, Peterborough, PE1 1NR	UK OS 001 EEC	15/05/2006	06/06/2006
12532	Somerfield grated mozzarella cheese	Somerfield, Market Street, Loughborough, LE11 3EP	UKWX 020M EEC	14/03/2006	17/04/2006

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12533	Marks and Spencer grated mozzarella	Marks & Spencer, 26 Clarence Street, Kingston Upon Thames, Surrey, KT1 1NU	050206 L20 20:28	21/02/2006	25/03/2006
12534	Columbus Omega 3 free range eggs	Sainsbury's, Pound Lane, Thorpe St Andrew, Norwich, NR7 0SR	UK1998W BXI	13/03/2006	27/03/2006
12535	Columbus Omega 3 free range eggs	Tesco, Park Road, Loughborough, LE11 2EX	UK1998W BXI	10/03/2006	27/03/2006
12536	Columbus Omega 3 enriched Eggs	Asda, Phoenix Retail Park, Linwood Rd, Paisley, PA1 2AB	UK 1998W BXI	24/02/2006	12/03/2006
12537	Gull Eggs (12)	Butcher & Edmonds, 6 Central Markets, East Market Buildings, Smithfield, London, EC1A 9LH	-	05/05/2006	-
12538	Gull Eggs (24)	Harrods Limited, 87-135 Brompton Road, London, SW1X 7XL	-	22/05/2006	-
12539	Gull Eggs (12)	Allen & Co, 117 Mount Street, London, W1K 3LA	-	05/05/2006	-
12616	Tesco Finest walnut oil	Tesco, Ipswich Rd, Norwich, NR4 6DZ	L5332	13/03/2006	01/08/2006
12617	Sainsbury's Walnut Oil	Sainsbury's, Monks Cross ,York, YO32 9LG	L6086	18/04/2006	01/03/2007
12618	FlaxSeed (Food Supplement) 400mg	Genavita, 75 Church Road, Hove, East Sussex, BN3 2BB	61904225	24/05/2006	01/08/2006
12619	Hempseed oil (Good Oil)	Tesco, Park Road, Loughborough, LE11 2EX	6020	10/03/2006	01/01/2007
12620	Natures Aid food supplement evening primrose oil 1000mg cold pressed	Healthy Living, Market Street, Loughborough, LE11 3ER	386817	14/03/2006	01/01/2008
12621	Morrison's evening primrose oil capsules	Morrison's, Bell Street, Reigate, Surrey, RH2 7DA	L54421	23/02/2006	01/10/2007
10309	Newfoundland Omega 3 Seal Oil	Nu-Quest Distribution Inc. www.tidespoint.com, 96 Clyde Avenue, Suite 101, Mount Pearl, NL A1N 4S2	CB-1-04	26.06.04	JN2006
10433	Omega-3 Seal Oil	Tesco Enterprises www.tesco-shopping.com, P O Box 435, Mahone Bay, NS Canada, B0J 2E0	4E0813	06.09.04	05/2007
12622	Pumpkin	Paddock Farm Shop, Paddock Farm Norwich Road, Mulbarton, Norwich, NR14 8JT	-	15/03/2006	-
12623	Morrison's 3 loose courgettes	Morrison's, Poplar Street, Failsworth, Manchester, M35 0HY	-	06/02/2006	-

Sample code	Description	Retailer (name and address)	Batch code	Purchase Date	Best before date
12624	Pumpkin	Jolly Farmers Food Emporium, Reigate Road, Buckland, Surrey, RH3 7BG	-	10/03/2006	-
12625	Courgettes Tesco 3pack class 1	Tesco, Stirling Road, Clifton Moor Centre, York, YO30 4XZ	X3 GBB10	31/08/2006	06/09/2006
12626	6x munchkin	Sainsbury's, William Frost Way, New Costessey, Norwich, NR5 0JS	M0259A	27/10/2005	02/11/2005
12627	4x pumpkin	The Balloon Tree Farmshop and Cafe, Stamford Bridge Road, Gate Helmsley, York, YO41 1NB	-	08/11/2005	-
12628	2x Butternut squash	Jolly Farmers Food Emporium, Reigate Road, Buckland, Surrey, RH3 7BG	-	10/03/2006	-
12629	Spaghetti Squash	Paddock Farm Shop, Paddock Farm Norwich Road, Mulbarton, Norwich, NR14 8JT	-	15/03/2006	-
12993	Sainsbury's Organic Semi-Skimmed Milk	Sainsbury's, Monks Cross, Jockey Lane, Huntington, York, YO32 9LG	20:20 (41)	20/12/2005	28/12/2005
12994	Tesco Fresh Whole Milk	Tesco, Stirling Road, Clifton Moor Centre, York, YO30 4XZ	L4 08:34 K65 0 1010227713	13/01/2006	20/01/2006
12995	Marks & Spencer Fresh Whole Milk	Marks & Spencer, Monks Cross Drive, Huntingdon, York, YO32 9GX	(S2R) 23:34	21/12/2005	25/12/2005
12996	Cravendale Semi-Skimmed	Asda, Monks Cross, Jockey Lane, Huntington, York, YO32 9LF	LD21OM	20/12/2005	10/01/2006
13294	Sheep Testicles	Halal Meat Shop, 538 Stockport Road, Longsight, Manchester, M12 4JJ	-	16/02/2006	-
13295	Sheep Testicles	The Art of Meat, 45 Arbury Court, Cambridge, CB4 2JQ	UK 5102 EEC	23/02/2006	-