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SURVEY OF METALS IN A VARIETY OF FOODS

Summary

The Food Standards Agency (FSA) has conducted a survey investigating the concentrations of 8 metals and other elements in a variety of cultivated and wild grown foods. Concentration of aluminium, arsenic, cadmium, copper, iron, lead, manganese and zinc were measured in 310 food samples.

The aim of this survey was to gather information on the concentrations of metals and other elements in a variety of foods around the United Kingdom (UK). The results of this survey will be used to allow more accurate and detailed intake estimates of metals and other elements by consumers and to provide current data for a future review of EC maximum permitted levels of metals in foods.

The key facts of this survey are:

- A total of 310 samples of a variety of foods were analysed for aluminium, arsenic, cadmium, copper, iron, lead, manganese and zinc. 120 samples of root vegetables, 30 of nuts, 35 of dried fruits, 50 of mushrooms, 25 of honey, 25 of sweets and 25 of deer and pheasant were purchased throughout the UK, from a range of retail outlets. A total of 245 samples were collected from England, 18 in Northern Ireland, 25 in Scotland and 22 in Wales.
- Levels of arsenic, cadmium and lead were compared against relevant regulatory limits^{1,2a}. Four samples of cultivated mushrooms showed levels of cadmium above the permitted limits and one sample of root vegetables showed levels of lead above the permitted limits.

- Following clarification from the EU Commission on the 2 March 2007, it was confirmed that the definition for fruit included in the Commission Regulation 1881/2006 does not include tree nuts and therefore there are no current regulatory limits for tree nuts.
- Overall, estimated dietary exposure to metals and other elements measured in this survey does not pose a significant risk to consumer safety, and FSA advice to eat at least five portions of fruit and vegetables each day is unchanged.

Background

Some metals and other elements (e.g. copper, manganese and zinc) can act as nutrients and are essential for health, while others (e.g. arsenic, cadmium, lead and mercury) have no known beneficial health effects. All may be harmful if excessive amounts are consumed.

Metals and other elements can be present in food either naturally, as a result of human activities (e.g., agricultural practices, industrial emissions, car exhausts), from contamination during manufacture/processing and storage, or by direct addition.

Commission Regulation (EC) No. 1881/2006^{2b} (which supersedes the earlier regulation 466/2001), sets maximum levels for certain contaminants including lead and cadmium in foodstuffs and is enforced by The Contaminants in Food (England) Regulations 2006. Various foods included in this survey such as venison, peanuts, honey, pheasant, tree nuts, sweets and wild mushrooms are not currently included in these Regulations. The EC has announced its intention of reviewing the limits for lead and cadmium in certain foods and has specifically requested data for some foods where there is a lack of information. The UK Arsenic in Food Regulations 1959 (as amended) set the maximum limit for arsenic in foods, and all foods included in this survey are covered by these Regulations. This survey was carried out to collect up to date information and not for enforcement purposes.

The FSA regularly monitors the concentrations of metals and other elements in food. In the most recent Total Diet Study, the levels of metals found in nuts and vegetables were low and did not present significant risks to the general UK population³. The Ministry of Agriculture, Fisheries and Food (MAFF) carried out a survey of levels of metals in a range of mushrooms collected from the wild⁴. Although the mean levels of cadmium, lead and arsenic found in wild mushrooms in that survey were low, certain species seem to accumulate high levels of metals. The FSA does not have any recent data on levels of metals in honey, sweets and game meat.

Brand Names

In accordance with the FSA policy for the release of brand names and sample origins when reporting the results of food chemical surveillance, details about the individual samples are given in full Annex 2. It should be noted that the absence of any particular brand from this survey means only that the brand was not included in the survey. No further meaning should be read into the absence of any brand from this Food Survey Information Sheet.

Methodology

Sampling

Ventress Technical limited collected 310 samples in total (England 245, Northern Ireland 18, Scotland 25 and Wales 22) during November 2005 to February 2006. The samples were obtained from supermarkets, independent retailers, health food shops, cash & carry outlets, greengrocers, butchers, game dealers, confectionery retailers, farm shops, growers, licensed market stalls and online retailers. The categories of food sampled were: root vegetables (120 samples including potatoes, carrots, parsnips, swede, beetroot, turnip and celeriac), nuts (30 samples including chestnuts, cobnuts, hazelnuts, walnuts, peanuts, pine nuts and pistachios), dried fruits (35 samples including raisins, sultanas, currants and mixed samples), mushrooms (50 samples of wild and cultivated species), honey (25 samples), sweets (25 samples including liquorice based, boiled and toffees), venison (13 samples) and pheasant (12 samples). Further information is available in the contractor's final report⁵.

Analysis

The samples were analysed at RHM Technology Limited. RHM prepared all samples as for consumption, i.e. all vegetables were washed and peeled except for potatoes which were analysed unpeeled, nuts were shelled, samples of deer and pheasant were boned and any shot pellets removed. The sample portions were homogenised in a food processor, split into four sub-samples and stored in a freezer below -16°C. Samples were then analysed using inductively Coupled Plasma – Optical Emission Spectrometry (ICP-OES).

Quality control

RHM laboratory is UKAS accredited to ISO 17025 for a wide range of determinations in analytical chemistry. Limits of detection (LOD) and quality control reports (including measurement of uncertainties) are included in the final reports of this project⁶. The LODs for the elements analysed in this survey are detailed in Table 1.

Due to the technical problems reported when producing a suitable calibration set for aluminium on some of the sample analysis batches, the aluminium results are not available for a limited number of samples.

Results

Table 2 summarises the mean element concentration for each food group analysed. The results are discussed below and compared with data from previous studies and relevant legal limits^{1,2a}. Limits are set on a fresh weight basis and would only be applicable for certain samples of dried foods included in this survey, if the analytical results were converted to fresh weight.

All samples were checked for compliance against limits laid down in the UK Arsenic in Food Regulations 1959 setting maximum levels for arsenic in foods and Commission Regulation 466/2001 setting maximum levels for certain contaminants in foodstuffs, including cadmium and lead. As mentioned earlier, the EU Commission has clarified that the definition for fruit does not include tree nuts and therefore maximum permitted limits for lead and cadmium are not applicable to these foods.. Four samples of cultivated mushrooms showed levels of cadmium above the permitted limits.and one sample of root vegetables showed levels of lead above the permitted limits.

Analysis of results

Tentative comparisons between the results from this survey and previous findings have been made below. Statistical comparisons could not be made and confidence intervals were not calculated due to the small sample size and different sampling methodologies used in this survey and previous surveys.

Results for each category of foods are discussed separately below. All mean results are upper value estimate i.e. they assume metals that are not detected are present at the limit of detection. Results for dried produce have been converted to fresh weight equivalents.

Venison and pheasant

Game meat is not included in Commission Regulations 466/2001 (as amended by Regulations 78/2005 and 221/2002). However, the general food limit of 1 mg/kg of arsenic from the UK Arsenic in Food Regulations 1959 (as amended) is applicable.

Arsenic levels were below the general food limit with a mean concentration of 0.18mg/kg and maximum value of 0.33 mg/kg in a pheasant sample. Lead was present in some samples with a mean concentration of 0.23 mg/kg and a maximum value of 1.63 mg/kg in a sample of pheasant. In both cases, these levels are higher than those previously seen in the composite meat food group of the TDS³. A possible source of lead is non-visible lead shot fragments. The FSA wrote to the suppliers of these products encouraging the use other types of shot available

as to lower the levels of lead present in the meat. All other elements measured were present in low concentrations and comparable to those previously reported in the TDS³.

Dried Fruit

Commission Regulation 466/2001 (as amended) sets a lead limit of 0.1mg/kg in fruits, 0.2mg/kg in berries and small fruits, and a cadmium limit of 0.05mg/kg in all fruits. The general food limit of 1 mg/kg of arsenic from the UK Arsenic in Food Regulations 1959 (as amended) also applies to all fruits. These limits apply to the fresh produce only. As individual information on drying factors was not available, all fruits have been assumed to retain 20% moisture when dried⁷.

All samples were below the relevant regulatory limits. Arsenic levels were slightly higher, in the samples analysed, than those reported in the TDS for the fruit group³. All other elements were present in low concentrations and comparable to those reported in fresh fruit³ and the mean levels of lead found were lower than those reported in a previous MAFF survey of lead in dried fruit⁸.

Honey

Honey is not included in Commission Regulations 466/2001 (as amended). However, the general food limit of 1 mg/kg of arsenic from the UK Arsenic in Food Regulations 1959 (as amended) is applicable.

Arsenic levels found were below the regulatory limit in all samples, with a mean concentration of 0.13 mg/kg and a maximum value of 0.16 mg/kg. The mean lead level was 0.06 mg/kg and the maximum value was 0.28 mg/kg. All other elements were present in low concentrations and comparable to those previously reported in the sugar and preserves group of the TDS³.

Mushrooms

Commission Regulations 466/2001 (as amended) sets a limit of 0.3mg/kg for lead and 0.2mg/kg for cadmium in cultivated mushrooms. Wild mushrooms are not included in these Regulations. However, the general food limit of 1 mg/kg of arsenic from the UK Arsenic in Food Regulations 1959 (as amended) is applicable to both types of mushrooms. These limits apply to the fresh produce only. Individual information on drying factors obtained from producers was used to determine compliance with these limits.

All samples were below the legal limits for arsenic and lead. Although most fresh weight levels of cadmium, lead and arsenic found in the samples of mushrooms were low, results were in line with previous reports suggesting that certain species accumulate high levels of these

metals. Four out of a total of thirty-nine samples of cultivated mushrooms showed levels of cadmium above the permitted limits. The highest level of cadmium was found in a sample of the shitake variety at 3.6mg/kg. The Agency informed the relevant producers and local authorities, and their comments are included in Annex 3. However, levels of these metals were below the limit of detection in the majority of the most common varieties, such as white mushrooms (*Agaricus bisporus*). Discussions are occurring at European level on whether limits for cadmium should apply to mushrooms from all sources or whether some species should have a higher limit.

Mean levels of other elements were low and comparable to those previously reported⁴.

Nuts

When this survey was commissioned, the understanding was that the Commission Regulations 466/2001 (as amended) sets a limit of 0.1mg/kg for lead and 0.05mg/kg for cadmium in tree nuts. Following requests for clarification the European Commission confirmed on the 2 March 2007 that the definition for fruit in Commission Regulation 466/2001 and the current Commission Regulation 1881/2006 does not include tree nuts and therefore maximum permitted limits for lead and cadmium are not applicable to these foodstuffs. Limits for metals in ground nuts are also not included in these Regulations. However, the general food limit of 1 mg/kg of arsenic from the UK Arsenic in Food Regulations 1959 (as amended) is applicable to all nuts.

All samples analysed were below the legal limit for arsenic, although elevated levels were seen in some samples. A maximum level at 0.84 mg/kg was seen in a sample of peanuts. Nine out of a total of thirty samples of nuts showed levels of cadmium greater than 0.05 mg/kg and seven samples showed levels of lead greater than 0.1 mg/kg. The Agency informed the relevant producers and local authorities, and their comments are included in Annex 3.

There seems to be a generic problem with pine nuts accumulating cadmium at levels above the current limit for cadmium in tree nuts. As a result, a recommendation was made by the European Commission to suspend any enforcement action whilst the limit for cadmium in pine nuts is being reviewed. A recently published revised consolidated version of the EC Regulation 466/2001, due to come into force 31 March 2007, excludes pine nuts^{2b}. Data for tree nuts are being collected to allow the EC to consider revising the lead and cadmium limits.

Mean levels of other elements were low and comparable to those previously reported³.

Root Vegetables

Commission Regulations 466/2001 (as amended) sets a limit of 0.1mg/kg for lead and cadmium in root vegetables. In the case of potatoes, the lead maximum limit applies to peeled potatoes. Celeriac is not included in the cadmium level. The general food limit of 1 mg/kg of arsenic from the UK Arsenic in Food Regulations 1959 (as amended) is applicable to all root vegetables.

Arsenic levels were below the regulatory limit in all samples with a mean concentration of 0.13mg/kg and maximum value of 0.17 mg/kg in a sample of organic red potatoes. All samples were below the regulatory limits for cadmium, with mean concentration of 0.04mg/kg and a maximum value of 0.06mg/kg in a sample of potatoes. One sample of carrots, out of a total of 120 samples of root vegetables taken, was above the regulatory limits for lead. The producer and the local authority were informed; the producer did not wish to comment on this finding. Mean levels of other elements were low and comparable to those previously reported³.

Sweets

Sweets are not included in Commission Regulations 466/2001 (as amended). However, the general food limit of 1 mg/kg of arsenic from the UK Arsenic in Food Regulations 1959 (as amended) is applicable.

Arsenic levels found were below the regulatory limit in all samples, with a mean concentration of 0.14 mg/kg and a maximum value of 0.22 mg/kg. The mean lead level was 0.09 mg/kg and the maximum value was 0.41 mg/kg in a sample of liquorice. From this survey, liquorice based sweets seemed to show higher levels of lead than other sweets, confirming reports from other countries. Levels of aluminium found gave a mean concentration of 17.6 mg/kg with a maximum value of 206.3 mg/kg in a sample of giant love hearts. All other elements were present in low concentrations.

Estimation of dietary exposure

Table 2 summarises the analytical data for all samples, showing the minimum, maximum and average concentrations of each element measured. Daily intake assessments for average consumers are shown in table 3. These assessments were performed under the assumption that a person's total consumption of the specific food is entirely at the mean level found for that specific category. This is thought to provide realistic intake assessments as mean levels found are expected to be representative of the true concentrations of metals found in the different food groups. Dietary exposure assessments for the venison and pheasant food group are not reliable as they are based on a limited number of consumers and these should be interpreted with caution.

The estimated dietary intakes from the rest of the diet for average and high level consumers from the 1999 Total diet study for inorganic arsenic and the National Diet and Nutritional Survey^{9,10,11} for aluminium, cadmium, copper, iron, manganese, lead and zinc have also been included in this assessment, and daily average intakes of the largest contributing food group for adults, young people and toddlers are shown in tables 4,5 and 6 respectively. These are conservative estimates as exposure from the whole diet will also include some of the products measured in this survey.

The calculated daily intakes for adults, young people and toddlers have been compared with the daily equivalent of the Provisional Tolerable Weekly Intakes (PTWI) set by the Joint Expert Committee on Food Additives of the Food and Agriculture Organisation and World Health Organisation (JECFA) for aluminium¹², arsenic¹³, cadmium¹⁴, iron¹⁵, lead¹⁶ and zinc¹⁷. Copper results have also been compared with the safe upper levels of intake recommended by the Expert Group on Vitamins and Minerals¹⁸. Manganese is an essential trace element. Safety guidelines have not been set for an upper level of manganese in the diet, but the Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (COT) has concluded there is not a concern for health of consumers at current levels of dietary exposure. The intakes identified in this survey do not alter this conclusion.

In the case of arsenic, the recommended safe intake upper level only applies to inorganic arsenic. As only analytical data for total arsenic levels are available in this survey, it has been assumed that all arsenic measured was present in the inorganic form. A previous Total Diet Survey report looking into inorganic arsenic levels in the diet showed that in general, most of the arsenic present in the diet is of the less toxic organic forms, and therefore the levels reported in tables 4,5 and 6 represent worst case scenarios¹⁹.

The PTWI for aluminium has recently been lowered seven-fold¹². Aluminium intakes from the rest of the diet, although previously considered low, exceed this new PTWI. JECFA has noted a need for information on the forms of aluminium present in food, and on whether they are absorbed into the body. The aluminium intakes identified for the foods studied in this survey do not raise additional concern. The data presented in tables 4,5 and 6 show that the levels of all other metals in the sampled foods are below the safety guidelines and are not of significant concern for the health of consumers.

Conclusions

A survey of heavy metals in variety of foods has been completed. Estimated intakes for the metals and other elements measured during this survey do not cause concern for consumer

safety. The FSA recommends all consumers to eat at least 5 portions of fruits and vegetables per day as part of a balanced diet.

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Table 1: Limits of detection for the analysis of metals in this survey (mg/kg)

Metal	Limit of Detection (mg/kg)	Measurement of Uncertainty
Aluminium	<0.4	24%
Arsenic	<0.13	<19%
Cadmium	<0.04	<14%
Copper	<0.3	15%
Iron	<1.5	28%
Lead	<0.05	25%
Manganese	<0.06	16%
Zinc	<2.2	30%

Table 2: Mean element concentrations (mg/kg) by food groups

Sample Type	Number of samples		Al	As	Cd	Cu	Fe	Mn	Pb	Zn
Mushrooms	50	Mean	2.5	0.12	0.28	2.8	5.5	1.28	0.06	6.4
		Minimum	<0.4	<0.13	<0.04	<0.3	<1.5	0.25	<0.05	<2.2
		Maximum	31.7	0.222	3.64	21.7	29.7	15.65	0.42	49.1
Honey	25	Mean	0.5	0.13	0.04	0.3	1.6	2.09	0.06	2.2
		Minimum	<0.4	<0.13	<0.04	<0.3	<1.5	0.13	<0.05	<2.2
		Maximum	0.8	0.16	0.04	0.6	2.7	14.99	0.28	3.3
Root Vegetables	120	Mean	4.1	0.13	0.04	2.0	7.1	1.83	0.05	3.3
		Minimum	<0.4	<0.13	<0.04	<0.3	<1.5	0.12	<0.05	<2.2
		Maximum	36.8	0.17	0.06	139.2	103.1	15.46	0.28	14.6
Nuts	30	Mean	13.0	0.39	0.06	8.4	28.2	40.49	0.16	28.0
		Minimum	<0.4	<0.13	<0.04	1.1	6.2	5.00	<0.05	4.0
		Maximum	43.4	0.84	0.15	13.8	52.4	95.64	0.50	58.6
Deer & Pheasant	25	Mean	1.1	0.18	0.04	1.2	21.5	0.42	0.23	17.3
		Minimum	<0.4	<0.13	<0.04	0.5	9.6	<0.06	<0.05	6.2
		Maximum	5.6	0.33	0.04	2.0	31.2	6.82	1.63	44.5
Sweets	25	Mean	17.6	0.14	0.04	1.4	28.2	4.74	0.09	4.7
		Minimum	<0.4	<0.13	<0.04	<0.3	<1.5	<0.06	<0.05	<2.2
		Maximum	206.3	0.22	0.04	5.1	144.4	28.24	0.41	21.6
Dried Fruit	35	Mean	9.8	0.15	0.04	6.5	15.9	3.90	0.06	4.1
		Minimum	1.9	<0.13	<0.04	2.2	7.6	1.54	<0.05	<2.2
		Maximum	42.5	0.30	0.04	68.4	56.1	11.98	0.20	32.6

Table 3: Mean daily intakes for all food groups for adults, young people¹ and toddlers² (µg/kg bodyweight) from individual food sources.

Food Group	Population group	Mean daily consumption (g/ kg bodyweight)	Mean daily intakes (µg /kg bodyweight)							
			Al	As	Cd	Cu	Fe	Mn	Pb	Zn
Mushrooms	Adults	0.11	0.3	0.01	0.03	0.3	0.6	0.14	0.01	0.7
	Young people	0.08	0.2	0.01	0.02	0.2	0.4	0.10	0.00	0.5
	Toddlers	0.19	0.5	0.02	0.05	0.5	1.0	0.24	0.01	1.2
Honey	Adults	0.03	0.0	0.00	0.00	0.0	0.1	0.07	0.00	0.1
	Young people	0.04	0.0	0.01	0.00	0.0	0.1	0.08	0.00	0.1
	Toddlers	0.08	0.0	0.01	0.00	0.0	0.1	0.17	0.00	0.2
Root Vegetables	Adults	1.58	6.5	0.21	0.06	3.2	11.2	2.90	0.08	5.2
	Young people	3.03	12.4	0.39	0.12	6.1	21.5	5.54	0.15	10.0
	Toddlers	4.07	16.7	0.53	0.16	8.1	28.9	7.45	0.20	13.4
Nuts	Adults	0.07	0.9	0.03	0.00	0.6	1.9	2.71	0.01	1.9
	Young people	0.11	0.2	0.04	0.01	0.9	3.0	4.30	0.02	3.0
	Toddlers	0.20	2.6	0.08	0.01	1.7	5.7	8.20	0.03	5.7
Venison and pheasant*	Adults	0.25	0.3	0.04	0.01	0.3	5.4	0.10	0.06	4.3
	Young people	0.10	0.1	0.02	0.00	0.1	2.2	0.04	0.02	1.8
	Toddlers	0.61	0.7	0.11	0.02	0.7	13.1	0.26	0.14	10.5
Sweets	Adults	0.11	1.9	0.02	0.00	0.2	3.0	0.51	0.01	0.5
	Young people	0.34	5.9	0.05	0.01	0.5	9.5	1.59	0.03	1.6
	Toddlers	0.71	12.5	0.10	0.03	1.0	20.0	3.37	0.06	3.3
Dried fruit	Adults	0.06	0.6	0.01	0.00	0.4	0.9	0.23	0.00	0.2
	Young people	0.08	0.7	0.01	0.00	0.5	1.2	0.29	0.00	0.3
	Toddlers	0.21	2.1	0.03	0.01	1.4	3.3	0.82	0.01	0.9

¹ People aged four to eighteen years old

² Children aged one and a half to four and a half years old

* Intake estimates are based on a small number of consumers and therefore should be treated with caution.

Table 4: Percentage relevant safety guideline for metals from daily mean intakes of the largest contributing food group for adults (%)

Element	Largest contributing food group	Mean concentration found (mg/kg)	Daily intake (ug/kg bw/day)	PTDI* (ug/kg bw/day)	Intake from rest of diet** (µg /kg bodyweight/day)		% of PTDI including rest of diet	
					Mean consumer	High level consumer	Mean consumer	High level consumer
Al	Root Vegetables	4.1	6.49	140	68	135	53	101
As	Root Vegetables	0.13	0.21	2.14	0.08	0.1	13	14
Cd	Root Vegetables	0.04	0.06	1	0.12	0.21	18	27
Cu	Root Vegetables	2	3.17	160	18	33	13	23
Fe	Root Vegetables	7.1	11.2	800	149	266	20	35
Mn	Root Vegetables	1.83	2.90	n/a	67	118	n/a	n/a
Pb	Root Vegetables	0.05	0.08	3.6	0.1	0.18	5	7
Zn	Root Vegetables	3.3	5.22	1000	141	252	15	26

* PTWI expressed on daily basis

** from 1999 Total Diet Study for inorganic arsenic and from the 2000 National Diet and Nutritional Survey for the rest of metals

Table 5: Percentage relevant safety guideline for metals from daily mean intakes of the largest contributing food group for young people¹ (%)

Element	Largest contributing food group	Mean concentration found (mg/kg)	Daily intake (ug/kg bw/day)	PTDI* (ug/kg bw/day)	Intake from rest of diet** (µg /kg bodyweight/day)		% of PTDI Including rest of diet	
					Mean consumer	High level consumer	Mean consumer	High level consumer
Al	Root Vegetables	4.1	12.42	140	121	245	95	184
As	Root Vegetables	0.13	0.39	2.14	0.1	0.2	23	28
Cd	Root Vegetables	0.04	0.12	1	0.22	0.42	34	54
Cu	Root Vegetables	2	6.06	160	30	56	23	39
Fe	Root Vegetables	7.1	21.5	800	225	408	31	54
Mn	Root Vegetables	1.83	5.54	n/a	101	195	n/a	n/a
Pb	Root Vegetables	0.05	0.15	3.6	0.17	0.32	9	13
Zn	Root Vegetables	3.3	10.00	1000	226	453	24	46

¹ People aged four to eighteen years old

* PTWI expressed on daily basis

** from 1999 Total Diet Study for inorganic arsenic and from the 1997 National Diet and Nutritional Survey for the rest of metals

Table 6: Percentage relevant safety level for metals from daily mean intakes of the largest contributing food group for toddlers² (%)

Element	Largest contributing food group	Mean concentration found (mg/kg)	Daily intake (ug/kg bw/day)	PTDI* (ug/kg bw/day)	Intake from rest of diet** (µg /kg bodyweight/day)		% of PTDI Including rest of diet	
					Mean consumer	High level consumer	Mean consumer	High level consumer
Al	Root Vegetables	4.1	16.70	140	165	327	130	245
As	Root Vegetables	0.13	0.53	2.14	0.2	0.3	34	39
Cd	Root Vegetables	0.04	0.16	1	0.32	0.56	48	72
Cu	Root Vegetables	2	8.15	160	46	81	34	56
Fe	Root Vegetables	7.1	28.9	800	374	637	50	83
Mn	Nuts	40.49	8.20	n/a	132	235	n/a	n/a
Pb	Root Vegetables	0.05	0.20	3.6	0.25	0.47	13	19
Zn	Root Vegetables	3.3	13.44	1000	386	759	40	77

² Children aged one and a half to four and a half years old

* PTWI expressed on daily basis

** from 1999 Total Diet Study for inorganic arsenic and from the 1992 National Diet and Nutritional Survey for the rest of metals

Annex 1. Results for individual samples of foods

Sample code	Product as described	Concentration in sample (mg/kg)							
		Al	As	Cd	Cu	Fe	Mn	Pb	Zn
Mushrooms									
05C-07128	Closed cup mushrooms	0.6	< 0.13	< 0.04	2.9	3.0	0.52	< 0.05	5.5
05C-07129	Flat mushrooms	< 0.4	< 0.13	< 0.04	2.1	2.5	0.38	< 0.05	4.0
05C-07130	Organically grown chestnut mushrooms	< 0.4	< 0.13	< 0.04	4.9	2.2	0.46	< 0.05	5.8
05C-07131	Organically grown portabellini mushrooms	< 0.4	< 0.13	< 0.04	4.2	2.0	0.50	< 0.05	5.5
05C-07132	Buna Shimeji	0.5	< 0.13	< 0.04	0.4	4.1	0.90	< 0.05	5.6
05C-07133	Oriental Hon-Shimeji mushrooms	< 0.4	< 0.13	< 0.04	0.4	5.2	1.09	< 0.05	4.9
05C-07134	Mixed oyster mushrooms	< 0.4	< 0.13	0.08	0.8	7.2	0.76	< 0.05	7.0
05C-07135	Oyster mushrooms	< 0.4	< 0.13	< 0.04	0.6	5.2	0.76	< 0.05	5.1
05C-07136	Closed cup mushrooms	< 0.4	< 0.13	< 0.04	3.1	1.7	0.39	< 0.05	6.5
05C-07137	Mushrooms	< 0.4	< 0.13	< 0.04	3.6	2.3	0.52	< 0.05	8.0
05C-07138	Organic oyster mushrooms	4.0	< 0.13	0.09	0.9	15.8	4.61	0.06	5.3
05C-07139	Wild dried parasol mushrooms	8.3	2.22	0.79	97.8	39.4	14.32	4.15	124.5
05C-07140	Value Mush	< 0.4	< 0.13	< 0.04	2.2	2.7	0.42	< 0.05	5.0
05C-07141	Closed cup mushrooms	< 0.4	< 0.13	< 0.04	1.7	2.2	0.48	< 0.05	5.3
05C-07142	Shiitake mushrooms	0.8	0.14	3.64	1.4	3.6	1.49	< 0.05	8.4

05C-07143	Chestnut mushrooms	0.4	< 0.13	< 0.04	3.3	3.5	0.37	< 0.05	7.5
05C-07144	Oyster mushrooms	< 0.4	< 0.13	0.22	0.7	6.0	0.46	< 0.05	4.3
05C-07145	Wild exotic mushrooms	2.9	< 0.13	0.93	1.9	8.8	1.70	0.10	5.8
05C-07146	Brown mushrooms	8.1	< 0.13	< 0.04	5.3	4.5	0.88	< 0.05	8.2
05C-07147	Large flat mushrooms	1.2	< 0.13	< 0.04	3.5	3.0	0.41	< 0.05	8.1
05C-07148	Chestnut mushrooms	2.4	< 0.13	< 0.04	1.8	< 1.5	0.32	< 0.05	< 2.2
05C-07149	Fresh organic mushrooms	4.0	0.16	3.39	6.2	16.4	5.62	< 0.05	21.3
05C-07150	Enoki mushrooms	< 0.4	< 0.13	< 0.04	0.6	11.3	0.64	< 0.05	3.2
05C-07151	Loose button mushrooms	< 0.4	< 0.13	< 0.04	2.7	6.6	0.36	< 0.05	2.9
05C-07152	Fresh organic portabella mushrooms	0.9	0.20	< 0.04	4.7	3.6	0.73	< 0.05	6.6
05C-07153	Wild Pied bleu wild mushrooms	< 0.4	< 0.13	< 0.04	8.7	6.0	2.43	< 0.05	5.0
05C-07154	Wild Girolle mushrooms	13.8	< 0.13	< 0.04	1.6	11.8	4.04	< 0.05	3.2
05C-07155	Shitake mushrooms	1.4	0.20	0.25	1.0	3.9	2.95	0.05	9.4
05C-07156	Flat mushrooms	< 0.4	< 0.13	< 0.04	2.9	1.9	0.64	< 0.05	< 2.2
05C-07157	Oyster mushrooms	0.7	< 0.13	3.52	1.2	11.0	0.85	0.13	2.8
05C-07158	Organic chestnut mushrooms	< 0.4	< 0.13	< 0.04	1.6	< 1.5	0.27	< 0.05	3.0
05C-07159	Wild dried Scottish girolle	39.7	< 0.13	0.11	26.3	27.7	9.29	0.15	50.4
05C-07160	Wild dried Boletus edulis	28.5	0.23	1.18	15.7	34.7	14.62	0.23	12.1
05C-07161	Wild dried Cantharellus	38.3	0.20	0.13	26.1	35.8	18.86	0.13	59.2

	cibarius								
05C-07162	Organic Crimini mushrooms	< 0.4	0.13	< 0.04	3.4	2.4	0.53	0.08	4.4
05C-07163	Wild dried brown birch bolete	15.0	0.57	1.51	20.7	40.7	7.46	0.33	142.3
05C-07164	Wild dried beefsteak fungus	0.5	< 0.13	0.23	19.1	14.3	4.60	0.38	59.3
05C-07165	Oyster mushrooms	n/a	< 0.13	< 0.04	0.7	4.3	0.65	< 0.05	5.1
05C-07166	Local mushroom	n/a	< 0.13	< 0.04	2.5	2.2	0.26	< 0.05	3.3
05C-07167	Oriental mushroom selection	0.6	< 0.13	< 0.04	0.5	5.3	0.59	< 0.05	< 2.2
05C-07168	Oyster mushrooms	n/a	< 0.13	< 0.04	0.6	2.3	0.62	< 0.05	4.2
05C-07169	Organic white mushrooms	n/a	< 0.13	< 0.04	2.8	<1.5	0.34	< 0.05	4.2
05C-07170	Organic mushrooms	n/a	< 0.13	< 0.04	1.8	<1.5	0.37	< 0.05	2.9
05C-07171	Flat mushroom	n/a	< 0.13	< 0.04	2.2	<1.5	0.39	< 0.05	2.6
05C-07172	Closed cup mushrooms	n/a	0.13	< 0.04	1.4	<1.5	0.25	< 0.05	< 2.2
05C-07173	Local flat mushrooms	n/a	< 0.13	< 0.04	2.1	<1.5	0.46	< 0.05	5.2
05C-07174	Cup mushrooms	< 0.4	< 0.13	0.08	3.1	3.4	0.34	< 0.05	2.7
05C-07175	Closed cup mushrooms	< 0.4	< 0.13	< 0.04	2.9	3.2	0.27	< 0.05	5.0
05C-07176	Wild dried chicken of the woods	5.5	0.14	0.16	2.6	94.4	2.78	0.12	13.9
05C-07177	Wild Porcini mushrooms	117.1	0.70	0.47	15.6	182.8	18.16	0.49	54.9
Honey									
05C-07178	Perthshire heather honey	n/a	< 0.13	< 0.04	0.4	<1.5	14.99	< 0.05	< 2.2
05C-07179	Blossom honey	n/a	< 0.13	< 0.04	< 0.3	<1.5	1.59	< 0.05	< 2.2
05C-07180	Scottish blossom honey	n/a	< 0.13	< 0.04	< 0.3	<1.5	0.51	< 0.05	< 2.2

05C-07181	Scottish heather honey	n/a	< 0.13	< 0.04	0.6	<1.5	11.32	< 0.05	< 2.2
05C-07182	Lancashire honey	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.47	0.13	< 2.2
05C-07183	Trafford honey	0.5	0.16	< 0.04	< 0.3	< 1.5	0.93	< 0.05	< 2.2
05C-07184	Pure Cheshire honey	0.6	< 0.13	< 0.04	< 0.3	< 1.5	0.38	< 0.05	< 2.2
05C-07185	Pure Somerset honey	0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.50	< 0.05	< 2.2
05C-07186	Somerset honey	0.7	< 0.13	< 0.04	< 0.3	< 1.5	1.52	< 0.05	< 2.2
05C-07187	Mourne flower honey	0.6	0.14	< 0.04	< 0.3	< 1.5	1.31	< 0.05	< 2.2
05C-07188	Pure Welsh honey	0.6	< 0.13	< 0.04	< 0.3	< 1.5	1.02	< 0.05	< 2.2
05C-07189	Mêl Pur Cymru	0.8	< 0.13	< 0.04	< 0.3	2.7	1.32	< 0.05	< 2.2
05C-07190	Black Mountains honey	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.45	< 0.05	< 2.2
05C-07191	Pure honey	0.5	< 0.13	< 0.04	< 0.3	< 1.5	2.67	< 0.05	< 2.2
05C-07192	Pure local honey	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.52	< 0.05	< 2.2
05C-07193	Honey	0.5	< 0.13	< 0.04	< 0.3	< 1.5	0.35	< 0.05	< 2.2
05C-07194	Cambridgeshire honey	n/a	< 0.13	< 0.04	< 0.3	<1.5	0.20	< 0.05	< 2.2
05C-07195	English honey	n/a	< 0.13	< 0.04	< 0.3	<1.5	0.48	< 0.05	< 2.2
05C-07196	Pure English honey	n/a	< 0.13	< 0.04	< 0.3	<1.5	0.37	< 0.05	< 2.2
05C-07197	Honey	0.5	< 0.13	< 0.04	< 0.3	< 1.5	0.73	< 0.05	< 2.2
05C-07198	Leicestershire honey	0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.13	< 0.05	< 2.2
05C-07199	Mêl pur Cymreig	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	1.44	< 0.05	< 2.2
05C-07200	Scottish heather honey	n/a	< 0.13	< 0.04	0.6	<1.5	6.07	< 0.05	< 2.2
05C-07201	Glen Isla Honey	n/a	< 0.13	< 0.04	0.4	<1.5	2.37	0.28	< 2.2
05C-07202	Suffolk honey	< 0.4	< 0.13	< 0.04	< 0.3	2.1	0.60	0.06	3.3
Root vegetables									
05C-07203	Carrots	15.4	< 0.13	< 0.04	0.5	103.1	5.64	0.28	4.6
05C-07204	Maris piper potatoes	14.7	< 0.13	< 0.04	1.0	25.8	2.12	0.09	5.3
05C-07205	Kerrs pink potatoes	n/a	< 0.13	< 0.04	0.5	11.7	1.21	< 0.05	< 2.2
05C-07206	Organic swede	< 0.4	< 0.13	< 0.04	< 0.3	1.6	0.61	0.06	< 2.2
05C-07207	New potatoes - M Peer	0.5	< 0.13	< 0.04	0.5	3.1	0.85	0.08	< 2.2

05C-07208	Organic beetroot	1.1	< 0.13	< 0.04	0.8	5.0	5.34	< 0.05	6.7
05C-07209	Organic swede	1.7	< 0.13	< 0.04	< 0.3	7.3	0.56	< 0.05	< 2.2
05C-07210	Organic potatoes - Orla	3.3	< 0.13	0.06	0.8	6.4	0.91	< 0.05	< 2.2
05C-07211	Potatoes	n/a	< 0.13	< 0.04	0.5	9.7	2.06	< 0.05	< 2.2
05C-07212	Ayrshire potatoes	6.9	0.14	< 0.04	0.8	11.2	1.73	< 0.05	3.3
05C-07213	Wilja potatoes	n/a	< 0.13	< 0.04	0.6	10.0	0.86	< 0.05	< 2.2
05C-07214	Organic parsnips	2.1	0.14	< 0.04	2.0	6.3	2.31	0.08	4.2
05C-07215	Celeriac	1.5	< 0.13	< 0.04	0.8	4.2	1.88	< 0.05	< 2.2
05C-07216	Beetroot	1.4	< 0.13	< 0.04	2.0	4.6	1.45	< 0.05	7.5
05C-07217	Swede	< 0.4	< 0.13	< 0.04	< 0.3	<1.5	0.84	< 0.05	< 2.2
05C-07218	British Small new potatoes - Charlotte	n/a	< 0.13	< 0.04	0.5	<1.5	0.76	< 0.05	< 2.2
05C-07219	British White potatoes - Saxon	n/a	< 0.13	< 0.04	0.7	2.2	1.02	< 0.05	< 2.2
05C-07220	British Baking potatoes - Osprey	n/a	< 0.13	< 0.04	0.5	<1.5	1.06	< 0.05	< 2.2
05C-07221	Organic potatoes - Valor	0.6	< 0.13	< 0.04	0.7	3.3	0.69	0.05	< 2.2
05C-07222	Carrots	< 0.4	< 0.13	< 0.04	< 0.3	<1.5	0.58	< 0.05	< 2.2
05C-07223	Parsnips	0.8	0.15	< 0.04	0.9	4.3	1.24	0.06	2.4
05C-07224	4 baking potatoes - Estima	0.6	< 0.13	< 0.04	0.6	3.5	0.94	0.05	< 2.2
05C-07225	Washed red potatoes - Romano	n/a	< 0.13	< 0.04	< 0.3	<1.5	0.61	< 0.05	< 2.2
05C-07226	Potatoes - Maris Piper	< 0.4	< 0.13	< 0.04	0.4	2.6	0.91	< 0.05	< 2.2
05C-07227	Tasty small potatoes - Nicola	1.1	< 0.13	< 0.04	0.5	4.4	0.72	< 0.05	< 2.2
05C-07228	Turnip	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.22	< 0.05	< 2.2
05C-07229	Selected red potatoes	16.7	< 0.13	< 0.04	15.3	14.7	15.46	0.05	14.6
05C-07230	New baby potatoes - M. Peer	n/a	< 0.13	< 0.04	0.6	<1.5	0.87	< 0.05	< 2.2
05C-07231	Organic red potatoes	n/a	0.17	< 0.04	0.7	36.3	1.44	< 0.05	< 2.2

05C-07232	Organic white potatoes	n/a	< 0.13	< 0.04	< 0.3	16.0	1.18	< 0.05	< 2.2
05C-07233	Organic unwashed carrots	n/a	< 0.13	< 0.04	< 0.3	<1.5	0.85	< 0.05	< 2.2
05C-07234	Unwashed raw beetroot	n/a	< 0.13	< 0.04	0.5	15.0	0.67	< 0.05	< 2.2
05C-07235	Potatoes - Maris Peer	n/a	< 0.13	< 0.04	0.8	3.9	0.88	< 0.05	< 2.2
05C-07236	Selected potatoes - Estima	n/a	< 0.13	0.04	0.8	3.9	0.85	< 0.05	< 2.2
05C-07237	Turnips	1.4	< 0.13	< 0.04	0.8	4.4	0.91	0.05	< 2.2
05C-07238	Selected potatoes	2.2	< 0.13	< 0.04	0.9	5.6	1.03	< 0.05	< 2.2
05C-07239	Dirty parsnips	n/a	< 0.13	< 0.04	0.7	<1.5	1.89	< 0.05	< 2.2
05C-07240	Half swede	< 0.4	< 0.13	< 0.04	139.2	2.5	7.69	< 0.05	9.0
05C-07241	Charlotte potatoes	< 0.4	< 0.13	< 0.04	1.0	1.6	1.01	< 0.05	< 2.2
05C-07242	Baby new potatoes - Maris Peer Cornish King	1.2	< 0.13	< 0.04	< 0.3	5.3	1.18	< 0.05	< 2.2
05C-07298	Somerset Marfona potatoes	4.1	< 0.13	< 0.04	1.1	8.2	0.91	< 0.05	< 2.2
05C-07299	Devon Marfona potatoes	2.5	< 0.13	< 0.04	0.7	6.8	1.04	< 0.05	< 2.2
05C-07300	Organic potatoes	0.7	< 0.13	< 0.04	1.4	3.8	1.09	< 0.05	< 2.2
05C-07301	Organic carrots	2.7	< 0.13	< 0.04	0.5	6.0	1.51	< 0.05	< 2.2
05C-07302	Organic parsnips	2.3	< 0.13	< 0.04	1.5	8.3	2.19	< 0.05	4.7
05C-07303	Organic swede	< 0.4	< 0.13	< 0.04	< 0.3	1.7	0.77	< 0.05	< 2.2
05C-07304	Organic beetroot	1.9	< 0.13	< 0.04	0.7	4.6	7.51	< 0.05	4.6
05C-07305	New potatoes - Nicola	0.6	< 0.13	< 0.04	0.5	3.1	0.82	< 0.05	< 2.2
05C-07306	Maris Piper potatoes	0.4	< 0.13	< 0.04	< 0.3	4.7	0.98	< 0.05	2.3
05C-07307	Turnips	< 0.4	< 0.13	< 0.04	< 0.3	1.7	0.35	< 0.05	< 2.2
05C-07308	New potatoes	1.2	< 0.13	< 0.04	< 0.3	8.3	1.21	< 0.05	3.3
05C-07309	Organic potatoes - Robinta	1.6	< 0.13	< 0.04	1.0	4.1	0.89	< 0.05	< 2.2
05C-07310	Potatoes - Saxon	4.1	0.13	< 0.04	0.7	8.1	1.14	< 0.05	2.5
05C-07311	Potatoes	2.6	< 0.13	< 0.04	0.4	5.5	1.20	< 0.05	< 2.2

05C-07312	Wilja potatoes	7.6	< 0.13	< 0.04	1.1	8.4	1.19	< 0.05	< 2.2
05C-07313	Celeriac	< 0.4	< 0.13	< 0.04	0.7	2.0	10.85	< 0.05	2.5
05C-07314	Beetroot	5.2	< 0.13	< 0.04	1.3	12.2	3.37	< 0.05	7.1
05C-07315	Maris Bard potatoes	11.9	< 0.13	< 0.04	0.6	45.1	2.96	< 0.05	< 2.2
05C-07316	Swede	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.48	< 0.05	< 2.2
05C-07317	Lincoln Royals	13.8	< 0.13	< 0.04	0.6	31.3	2.78	0.10	< 2.2
05C-07318	Organic carrots	< 0.4	< 0.13	< 0.04	< 0.3	4.2	4.52	< 0.05	< 2.2
05C-07319	Parsnips	< 0.4	< 0.13	< 0.04	< 0.3	4.2	4.52	0.05	< 2.2
05C-07320	Quality potatoes	1.1	< 0.13	< 0.04	1.1	4.2	3.51	0.05	2.6
05C-07321	Quality potatoes - Desiree	0.7	< 0.13	< 0.04	1.0	2.4	1.74	< 0.05	3.3
05C-07322	Charlotte potatoes	3.3	< 0.13	< 0.04	0.6	3.7	1.03	0.05	< 2.2
05C-07323	Organic potatoes - Sante	1.7	< 0.13	< 0.04	0.6	4.4	0.96	< 0.05	< 2.2
05C-07324	Baking potatoes - Cara	1.5	< 0.13	< 0.04	0.9	5.3	0.63	< 0.05	< 2.2
05C-07325	Premium white potatoes - Vivaldi	3.4	< 0.13	< 0.04	0.3	3.6	0.63	< 0.05	< 2.2
05C-07326	Local dirty carrots	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.30	< 0.05	< 2.2
05C-07327	Local turnip	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.43	< 0.05	< 2.2
05C-07328	Local bakers - Estima	0.6	< 0.13	< 0.04	< 0.3	2.6	0.96	< 0.05	< 2.2
05C-07329	Local dirty parsnips	2.7	< 0.13	< 0.04	1.0	6.0	1.77	< 0.05	8.9
05C-07330	Maris Piper potatoes	0.8	< 0.13	< 0.04	0.8	2.4	0.87	< 0.05	3.3
05C-07331	Parsnips	< 0.4	0.15	< 0.04	1.3	3.9	1.51	0.08	3.7
05C-07332	Turnips	5.0	< 0.13	< 0.04	0.6	< 1.5	0.12	< 0.05	7.1
05C-07333	Beetroot	19.4	< 0.13	< 0.04	1.1	4.0	5.84	< 0.05	5.0
05C-07334	Potatoes - Dunbar Standards	15.7	< 0.13	< 0.04	1.1	10.7	1.09	< 0.05	3.8
05C-07335	New season potatoes - Maris Peer	0.6	< 0.13	< 0.04	0.8	2.2	1.13	< 0.05	2.7
05C-07336	4 large baking potatoes - Orla	7.2	< 0.13	< 0.04	1.1	2.3	1.07	< 0.05	4.1
05C-07337	Potatoes - Maris Piper	5.0	< 0.13	< 0.04	1.9	5.7	0.96	< 0.05	4.5

05C-07398	Washed potatoes	1.7	< 0.13	< 0.04	0.4	6.0	0.88	< 0.05	< 2.2
05C-07399	Swede	1.2	< 0.13	< 0.04	0.5	1.9	1.52	< 0.05	3.2
05C-07400	Turnips	0.7	< 0.13	< 0.04	0.4	< 1.5	0.18	< 0.05	< 2.2
05c-07401	Baking potatoes	22.7	< 0.13	0.04	1.3	4.8	0.89	< 0.05	6.4
05C-07402	White turnip	< 0.4	< 0.13	< 0.04	0.9	2.9	2.35	< 0.05	< 2.2
05C-07403	Organic beetroot	0.8	< 0.13	< 0.04	1.2	3.5	1.98	< 0.05	3.3
05C-07404	Parsnips	0.4	< 0.13	0.04	1.1	4.5	0.79	< 0.05	3.0
05C-07405	Whitepark Bay Kerr's Pink quality potatoes	9.5	< 0.13	< 0.04	1.3	10.7	1.45	< 0.05	2.9
05C-07406	Potatoes - Cultra	0.8	< 0.13	< 0.04	0.6	3.0	0.75	< 0.05	< 2.2
05C-07407	Carrots	< 0.4	< 0.13	< 0.04	0.4	2.3	1.13	< 0.05	2.5
05C-07408	Turnip	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.80	< 0.05	< 2.2
05C-07409	Baking potatoes - Estima	0.5	< 0.13	0.04	0.8	3.6	1.23	< 0.05	2.6
05C-07410	Carrots	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.72	< 0.05	< 2.2
05C-07411	Red potatoes - Romano	2.3	< 0.13	< 0.04	0.5	4.1	0.63	< 0.05	< 2.2
05C-07412	Celeriac	< 0.4	< 0.13	< 0.04	0.6	3.3	2.64	< 0.05	4.0
05C-07413	Organic baking potatoes - Lady Balfour	< 0.4	< 0.13	< 0.04	< 0.3	4.0	0.78	< 0.05	< 2.2
05C-07414	Parsnips	0.7	0.14	< 0.04	0.6	4.2	2.08	0.08	3.3
05C-07415	Cara potatoes	5.2	0.14	< 0.04	0.5	11.4	1.33	< 0.05	< 2.2
05C-07416	Desiree potatoes	4.9	< 0.13	< 0.04	< 0.3	7.2	0.93	< 0.05	2.2
05C-07417	Organic Valor potatoes	8.5	< 0.13	< 0.04	0.7	9.3	1.49	< 0.05	2.7
05C-07418	Organic turnips	0.7	< 0.13	< 0.04	< 0.3	< 1.5	0.46	< 0.05	3.6
05C-07419	King Edwards roasting potatoes	1.2	0.14	< 0.04	0.5	4.1	0.94	< 0.05	8.1
05C-07420	Organic baby new potatoes - Princess	9.7	< 0.13	< 0.04	1.4	4.9	0.73	< 0.05	3.3
05C-07421	British carrots	0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.41	< 0.05	< 2.2
05C-07422	King Edward potatoes	2.3	< 0.13	< 0.04	0.7	4.0	0.97	< 0.05	3.6
05C-07423	4 British baking potatoes - Harmony	3.9	< 0.13	< 0.04	1.3	28.0	1.65	< 0.05	3.6
05C-07424	British white potatoes -	1.6	< 0.13	< 0.04	< 0.3	4.3	0.81	< 0.05	< 2.2

	Nadine								
05C-07425	British carrots	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.52	< 0.05	< 2.2
05C-07426	British red potatoes - Romano	4.2	< 0.13	0.04	0.4	9.7	1.44	< 0.05	2.7
05C-07427	Organically grown swede	< 0.4	< 0.13	< 0.04	< 0.3	< 1.5	0.49	< 0.05	< 2.2
05C-07428	Parsnips speciality	5.2	< 0.13	< 0.04	2.2	10.0	4.25	< 0.05	5.7
05C-07429	Turnips	14.7	< 0.13	< 0.04	1.0	13.1	3.03	< 0.05	11.2
05C-07430	Potatoes - Marfona	30.5	< 0.13	< 0.04	< 0.3	5.0	2.09	< 0.05	< 2.2
05C-07431	Organic red potatoes - Romano	25.9	< 0.13	< 0.04	0.4	4.6	2.44	< 0.05	2.8
05C-07432	Red salad potatoes - Roseval	36.8	< 0.13	< 0.04	< 0.3	6.3	3.07	< 0.05	< 2.2
05C-07433	Beetroot	1.9	< 0.13	< 0.04	< 0.3	4.1	0.60	< 0.05	< 2.2
05C-07434	Organic baby new potatoes - Nicola	2.5	< 0.13	< 0.04	1.0	12.7	4.97	< 0.05	6.2
05C-07435	Baking potatoes - Sante	3.2	< 0.13	< 0.04	1.1	11.5	5.12	< 0.05	6.9
05C-07436	Beetroot	4.5	< 0.13	< 0.04	1.2	13.8	5.37	< 0.05	8.3
05C-07437	Cara potatoes	3.4	< 0.13	< 0.04	1.6	15.1	6.31	< 0.05	11.4
Sweet									
05C-07338	Catherine wheels	22.4	0.15	< 0.04	4.7	91.4	15.81	0.24	21.6
05C-07339	Dairy toffee	0.6	0.17	< 0.04	< 0.3	< 1.5	< 0.06	< 0.05	< 2.2
05C-07340	Clear fruits	3.8	< 0.13	< 0.04	0.4	< 1.5	< 0.06	< 0.05	< 2.2
05C-07341	Pontefract cakes	5.1	< 0.13	< 0.04	0.8	11.1	2.96	< 0.05	3.3
05C-07342	Liquorice catherine wheels	30.4	< 0.13	< 0.04	5.1	100.6	18.05	0.41	15.6
05C-07343	Giant love hearts	206.3	0.20	< 0.04	< 0.3	1.9	0.15	< 0.05	< 2.2
05C-07344	Licorice aniseed	0.5	< 0.13	< 0.04	< 0.3	< 1.5	0.10	< 0.05	< 2.2
05C-07345	Liquorice cream rock	5.0	< 0.13	< 0.04	0.9	27.8	4.35	< 0.05	< 2.2
05C-07346	Liquorice twists	23.8	< 0.13	< 0.04	5.0	104.1	18.40	0.19	8.8
05C-07347	Liquorice toffee	4.6	0.17	< 0.04	< 0.3	5.3	0.61	< 0.05	3.2
05C-07348	Double Devon butter toffee	< 0.4	< 0.13	< 0.04	0.8	< 1.5	< 0.06	< 0.05	< 2.2
05C-07349	Scottish tablet -	1.7	0.16	< 0.04	< 0.3	< 1.5	< 0.06	< 0.05	< 2.2

	Hebridean toffee								
05C-07350	Jargonelle pears	4.9	< 0.13	< 0.04	1.5	< 1.5	< 0.06	< 0.05	3.4
05C-07351	Spanish honey & butter toffees	6.9	< 0.13	< 0.04	0.4	17.9	2.21	< 0.05	3.6
05C-07352	Organic Laidback liquorice	36.7	0.22	< 0.04	3.3	144.4	28.24	< 0.05	11.8
05C-07353	Butter candies	1.9	< 0.13	< 0.04	0.3	2.1	0.37	< 0.05	< 2.2
05C-07354	Liquorice allsorts	11.5	< 0.13	< 0.04	2.3	37.4	9.42	0.15	5.8
05C-07355	Glacier mints	0.7	< 0.13	< 0.04	< 0.3	< 1.5	< 0.06	< 0.05	< 2.2
05C-07356	Rhubarb & custard	5.6	< 0.13	< 0.04	0.3	< 1.5	< 0.06	< 0.05	< 2.2
05C-07357	Cola millions	< 0.4	0.14	< 0.04	< 0.3	< 1.5	0.10	< 0.05	< 2.2
05C-07358	Orange & lemon slices	5.0	< 0.13	< 0.04	0.8	1.7	< 0.06	< 0.05	8.1
05C-07359	Pineapple rock	6.1	0.15	< 0.04	< 0.3	4.1	< 0.06	< 0.05	< 2.2
05C-07360	Olde English Royal toffee	1.3	< 0.13	< 0.04	< 0.3	3.3	< 0.06	< 0.05	2.7
05C-07361	Pontefract cakes	51.6	< 0.13	< 0.04	5.1	130.0	16.05	0.15	< 2.2
05C-07362	Poor Bens	2.3	0.16	< 0.04	< 0.3	7.9	1.09	< 0.05	< 2.2
Dried Fruits									
05C-07363	Sun ripened dried mixed fruit	5.3	< 0.13	< 0.04	3.3	10.2	5.04	< 0.05	< 2.2
05C-07364	World Orchard South African orange river sultanas	7.6	< 0.13	< 0.04	3.0	13.2	2.36	< 0.05	3.5
05C-07365	Jumbo mixed raisins	8.2	< 0.13	< 0.04	4.2	15.5	2.68	< 0.05	2.9
05C-07366	Fruity Bytes mixed raisins	9.9	< 0.13	< 0.04	3.5	15.8	3.09	< 0.05	2.7
05C-07367	Organic mini raisins	7.4	< 0.13	< 0.04	3.1	20.7	2.73	< 0.05	3.0
05C-07368	Sultanas	15.2	< 0.13	< 0.04	4.8	24.4	7.09	< 0.05	4.1
05C-07369	Currants	12.3	< 0.13	< 0.04	3.8	19.3	2.50	< 0.05	2.8
05C-07370	Mixed fruit	13.6	< 0.13	< 0.04	3.9	15.1	1.91	< 0.05	17.1
05C-07371	Mixed raisins	6.8	< 0.13	< 0.04	4.3	18.5	2.51	< 0.05	3.3
05C-07372	Australian sultanas	7.7	< 0.13	< 0.04	3.9	27.9	2.38	< 0.05	3.3
05C-07373	Currants	16.6	< 0.13	< 0.04	3.9	14.8	2.99	0.07	2.5
05C-07374	Sultanas	7.4	< 0.13	< 0.04	68.4	14.0	4.39	0.05	32.6

05C-07375	Currants	7.3	< 0.13	< 0.04	2.6	16.3	2.25	0.06	3.5
05C-07376	Mixed fruit	5.1	< 0.13	< 0.04	3.3	10.1	2.89	0.06	5.9
05C-07377	Currants	3.0	< 0.13	< 0.04	12.9	11.0	11.98	0.08	< 2.2
05C-07378	Californian seedless raisins	9.0	< 0.13	< 0.04	3.6	15.6	2.79	0.07	2.4
05C-07379	Organic currants	2.2	< 0.13	< 0.04	4.1	7.8	4.17	< 0.05	< 2.2
05C-07380	Sultanas	2.3	< 0.13	< 0.04	2.6	8.0	2.78	0.07	3.4
05C-07381	Dried mixed fruit	13.7	< 0.13	< 0.04	5.4	15.8	6.16	0.08	4.2
05C-07382	Greek currants	3.1	< 0.13	< 0.04	5.5	7.7	3.27	< 0.05	< 2.2
05C-07383	Organic raisins	8.8	0.21	< 0.04	2.3	14.6	2.76	0.06	< 2.2
05C-07384	Organic sun dried raisins	10.6	0.19	< 0.04	2.5	14.9	2.55	< 0.05	< 2.2
05C-07385	Sultanas	12.1	< 0.13	< 0.04	3.4	18.4	2.56	0.20	2.3
05C-07386	Premium sultanas	16.3	< 0.13	< 0.04	2.9	13.6	3.43	0.06	< 2.2
05C-07387	Natural California raisins	15.0	0.20	< 0.04	2.2	19.4	3.53	< 0.05	< 2.2
05C-07388	Greek currants	2.9	< 0.13	< 0.04	9.1	7.6	6.17	< 0.05	< 2.2
05C-07389	Sultanas	42.5	0.24	< 0.04	7.0	56.1	4.96	0.08	< 2.2
05C-07390	Californian seedless raisins	12.3	0.19	< 0.04	2.8	16.9	3.22	< 0.05	2.6
05C-07391	Dried mixed fruit	10.5	0.30	< 0.04	4.5	16.8	2.77	0.07	3.4
05C-07392	Sunny raisin	10.4	0.15	< 0.04	3.6	18.5	3.06	< 0.05	< 2.2
05C-07393	Currants	1.9	0.14	< 0.04	10.0	9.8	9.30	< 0.05	< 2.2
05C-07394	Currants	2.5	< 0.13	< 0.04	14.4	8.1	7.62	< 0.05	< 2.2
05C-07395	Golden sultanas	9.2	< 0.13	< 0.04	3.5	13.3	3.20	< 0.05	< 2.2
05C-07396	Australian sultanas	21.2	< 0.13	< 0.04	3.3	18.1	3.99	0.07	4.4
05C-07397	Currants	2.1	< 0.13	< 0.04	5.5	7.7	1.54	< 0.05	3.0
Nuts									
05C-07243	Roasted & salted pistachio nuts	3.0	0.56	< 0.04	7.3	29.5	8.46	0.06	19.0
05C-07244	Roasted & salted pistachio nuts	0.8	0.29	< 0.04	11.6	33.9	9.61	< 0.05	20.9
05C-07245	Roasted cobnuts	0.8	0.38	< 0.04	13.8	28.3	60.49	0.09	20.2
05C-07246	Monkey nuts	1.4	0.22	0.11	8.3	13.9	26.93	< 0.05	29.6
05C-07247	Organic pine nuts	38.6	0.33	0.15	12.4	50.2	89.62	0.07	54.7
05C-07248	Pine nuts	30.7	0.35	0.14	13.0	48.1	82.01	0.09	56.7
05C-07249	Pine nuts	40.3	0.30	0.13	12.3	48.6	95.64	0.06	58.6
05C-07250	Organic pinenuts	37.1	0.36	0.15	12.0	52.5	83.47	0.08	54.2

05C-07251	Pine nuts	38.7	0.29	0.12	11.8	47.7	86.88	< 0.05	55.8
05C-07252	Organic chestnuts	3.3	< 0.13	< 0.04	3.7	6.2	5.55	< 0.05	6.1
05C-07253	Red skin peanuts	6.5	0.22	0.09	6.2	23.2	12.16	< 0.05	25.1
05C-07254	Hazelnuts in shell	8.4	0.29	< 0.04	1.9	21.9	8.39	< 0.05	12.6
05C-07255	Walnuts	3.7	0.31	< 0.04	1.5	15.1	5.98	< 0.05	9.8
05C-07256	Chestnuts	0.5	< 0.13	0.07	8.1	12.0	46.04	< 0.05	10.3
05C-07257	Cobnuts	3.7	0.26	< 0.04	1.1	17.1	5.00	< 0.05	8.8
05C-07258	Franquete shelled walnuts nuts	< 0.4	0.24	< 0.04	5.4	14.2	29.58	0.06	24.1
05C-07259	Various shelled English walnuts	< 0.4	0.75	< 0.04	11.1	21.2	35.83	0.47	29.3
05C-07260	Roasted salted pistachios	2.4	0.31	< 0.04	7.2	22.3	6.97	< 0.05	18.0
05C-07261	Local wet walnuts	0.9	0.27	< 0.04	4.3	19.7	11.39	< 0.05	19.7
05C-07262	Local chestnuts	3.1	< 0.13	< 0.04	3.2	9.3	21.10	< 0.05	4.6
05C-07263	Local chestnuts	5.4	0.14	< 0.04	2.8	6.2	18.18	< 0.05	4.0
05C-07264	Organic pinenuts	35.7	0.82	0.05	11.8	51.3	76.66	0.48	55.8
05C-07265	Pine kernels	40.3	0.69	0.05	11.7	49.6	85.16	0.43	53.9
05C-07266	Pine nuts	38.5	0.72	0.05	12.1	48.5	89.99	0.48	56.3
05C-07267	Pine nuts	43.4	0.67	0.06	12.4	49.8	77.64	0.39	56.3
05C-07268	Roasted peanuts in shell	< 0.4	0.84	0.05	4.4	13.7	10.54	0.48	19.4
05C-07269	Gunslebert cobnuts	< 0.4	0.65	< 0.04	12.2	25.5	47.92	0.40	15.5
05C-07270	Kentish cobnuts	< 0.4	0.80	< 0.04	8.2	19.8	40.04	0.50	9.8
05C-07271	Mixed cobnuts (Kentish, Gunslebert & Butler)	< 0.4	0.19	< 0.04	12.8	30.7	16.48	< 0.05	19.0
05C-07272	Cobnuts	< 0.4	0.20	< 0.04	8.2	17.5	20.94	< 0.05	10.8
Venison and pheasant									
05C-07273	Two venison steaks	4.7	< 0.13	< 0.04	1.9	21.2	6.82	< 0.05	15.0
05C-07274	Oven ready pheasant	2.1	0.33	< 0.04	0.8	17.3	0.20	0.61	8.0
05C-07275	Oven ready pheasant	0.8	0.30	< 0.04	0.8	11.2	0.12	0.21	7.4

05C-07276	One brace of pheasant	< 0.4	0.29	< 0.04	0.7	9.6	0.10	0.68	7.8
05C-07277	Diced venison	5.6	0.15	< 0.04	1.3	30.5	< 0.06	< 0.05	27.7
05C-07278	Diced farmed venison	< 0.4	0.24	< 0.04	1.1	19.1	0.08	< 0.05	22.9
05C-07279	Wild venison casserole	0.6	0.24	< 0.04	1.6	27.9	0.20	0.06	34.0
05C-07280	Diced haunch of wild venison	0.9	< 0.13	< 0.04	1.8	29.2	0.19	0.06	19.8
05C-07281	Oven ready pheasant	2.2	0.21	< 0.04	1.1	26.2	0.17	0.08	8.6
05C-07282	Pheasant	0.9	0.28	< 0.04	1.0	11.6	0.13	0.39	9.7
05C-07283	Organic venison steak	< 0.4	0.18	< 0.04	0.7	17.9	< 0.06	< 0.05	30.9
05C-07284	Wild pheasant breasts	1.1	0.19	< 0.04	0.7	11.7	0.11	0.21	6.2
05C-07285	Venison pieces	< 0.4	< 0.13	< 0.04	0.9	19.2	0.09	0.05	30.4
05C-07286	Brace of dressed pheasants	1.2	0.14	< 0.04	0.9	14.5	0.13	0.39	7.6
05C-07287	Pheasant	1.7	0.18	< 0.04	1.4	18.4	0.17	0.17	7.8
05C-07288	Venison steaks	< 0.4	0.15	< 0.04	2.0	31.2	0.18	< 0.05	17.9
05C-07289	Pheasant	< 0.4	< 0.13	< 0.04	0.7	20.1	0.12	1.63	7.1
05C-07290	Venison haunch for roasting	< 0.4	< 0.13	< 0.04	1.6	28.0	0.15	< 0.05	16.0
05C-07291	Venison haunch for roasting - red	< 0.4	< 0.13	< 0.04	1.5	29.3	0.12	< 0.05	16.9
05C-07292	Pheasant	< 0.4	0.21	< 0.04	1.8	30.8	0.13	0.21	18.7
05C-07293	Whole new season pheasant	0.7	< 0.13	< 0.04	0.5	11.0	0.13	0.34	7.8
05C-07294	Wild venison stewing steak	0.9	< 0.13	< 0.04	1.4	29.8	0.15	< 0.05	39.7
05C-07295	Herbed wild venison steaks	< 0.4	< 0.13	< 0.04	0.8	30.1	0.54	< 0.05	44.5
05C-07296	Best quality pheasant	< 0.4	< 0.13	< 0.04	0.6	16.5	0.19	< 0.05	7.5

Annex 2. Details for individual samples of foods collected

Sample code	Product as described	Brand	Best before	Batch code	Date sampled	Sample obtained from	Address 1	Address 2	Postcode
05C-07128	Closed cup mushrooms	Morrison's	None declared	Display until 24 NOV 1379/03	21.11.05	Morrisons	Ty Glas	Cardiff	CF4 5ED
05C-07129	Flat mushrooms	Morrison's	None declared	None declared	21.11.05	Morrisons	Ty Glas	Cardiff	CF4 5ED
05C-07130	Organically grown chestnut mushrooms	Waitrose	28 NOV	Display until 26 NOV 300A	24.11.05	Waitrose	Palmerston Road	Barry	CF63 2PE
05C-07131	Organically grown portabellini mushrooms	Waitrose	28 NOV	Display until 26 NOV 300A	24.11.05	Waitrose	Palmerston Road	Barry	CF63 2PE
05C-07132	Buna Shimeji	Livesey Brothers	08 DEC	Display until 06 DEC	02.12.05	Waitrose	Fred Archer Way	Newmarket	CB8 8NY
05C-07133	Oriental Hon-Shimeji mushrooms	Sainsbury's Taste the Difference	None declared	Display until 23 NOV L0267A	21.11.05	Sainsbury's	Hankridge Farm	Taunton	TA1 2LR
05C-07134	Mixed oyster mushrooms	Sainsbury's Taste the Difference	None declared	Display until 23 NOV L0267A	21.11.05	Sainsbury's	Hankridge Farm	Taunton	TA1 2LR
05C-07135	Oyster mushrooms	Sainsbury's	26 NOV	Livesey Bros L0267A	21.11.05	Sainsbury's	Hankridge Farm	Taunton	TA1 2LR
05C-07136	Closed cup mushrooms	Sainsbury's	26 NOV	M0819A	21.11.05	Sainsbury's	Hankridge Farm	Taunton	TA1 2LR
05C-07137	Mushrooms	Asda Smart Price	None declared	Display until 23 NOV 646001	21.11.05	Asda	Creechbarrow Road	Taunton	TA1 2AN
05C-07138	Organic oyster mushrooms	Gourmet Mushrooms	None declared	None declared	26.01.06	Gourmet Mushrooms	Morants Farm	Great Bromley	C07 7TN
05C-07139	Wild dried parasol mushrooms	None declared	None declared	None declared	26.01.06	Gourmet Mushrooms	Morants Farm	Great Bromley	C07 7TN
05C-07140	Value Mush	SoFresh	None declared	PLU 116	17.11.05	SoFresh	43 The Parade	Salford	M27 2BU
05C-07141	Closed cup mushrooms	Merevale	None declared	Supplier code 1167 L4604	17.11.05	Aldi	Swinton Hall Road	Salford	M27 4BL

05C-07142	Shiitake mushrooms	Smithy Mushrooms	None declared	None declared	26.11.05	Booths	Stanley Road	Knutsford	WA16 0BS
05C-07143	Chestnut mushrooms	Booths	None declared	Display until 30/11/05 LKM	26.11.05	Booths	Stanley Road	Knutsford	WA16 0BS
05C-07144	Oyster mushrooms	Smithy Mushrooms	None declared	None declared	26.11.05	Booths	Stanley Road	Knutsford	WA16 0BS
05C-07145	Wild exotic mushrooms	Smithy Mushrooms	None declared	None declared	26.11.05	Booths	Stanley Road	Knutsford	WA16 0BS
05C-07146	Brown mushrooms	Fresh & Wild	None declared	None declared	17.12.05	Fresh & Wild	32-40 Stoke Newington Church Street	London	N16 0LU
05C-07147	Large flat mushrooms	Tesco	03 Dec	MH 04 Display until 02 Dec	29.11.05	Tesco	Crieff Road	Perth	PH1 2NR
05C-07148	Chestnut mushrooms	Tesco	02 Dec	MH 04 Display until 01 DEC	29.11.05	Tesco	Crieff Road	Perth	PH1 2NR
05C-07149	Fresh organic mushrooms - field & forest mushrooms	Fundamentally Fungus	10 Dec	None declared	07.12.05	Planet Organic	25 Effie Road	London	SW6 1EL
05C-07150	Enoki mushrooms	Livesey Brothers	08 DEC	Display until 06 DEC	02.12.05	Waitrose	Fred Archer Way	Newmarket	CB8 8NY
05C-07151	Loose button mushrooms	None declared	None declared	None declared	30.11.05	Paul's Spar Store	10 Commercial Street	Perthshire	PH11 8AF
05C-07152	Fresh organic portabella mushrooms	Planet Organic	None declared	None declared	07.12.05	Planet Organic	25 Effie Road	London	SW6 1EL
05C-07153	Pied bleu wild mushrooms	Selfridges	None declared	Date of purchase 10/12/05	10.12.05	Selfridges	400 Oxford Street	London	W1A 1AB
05C-07154	Girolle wild mushrooms	Selfridges	None declared	Date of purchase 10/12/05	10.12.05	Selfridges	400 Oxford Street	London	W1A 1AB
05C-07155	Shitake mushrooms	Harrods	None declared	None declared	17.12.05	Harrods	87- 135 Brompton Road	London	SW1X 7XL
05C-07156	Flat mushrooms	Harrods	None declared	None declared	17.12.05	Harrods	87 - 135 Brompton Road	London	SW1X 7XL
05C-07157	Oyster mushrooms	Harrods	None declared	None declared	17.12.05	Harrods	87 - 135 Brompton Road	London	SW1X 7XL
05C-07158	Organic	Sainsbury's	11 JAN	H0802A1001	07.01.06	Sainsbury's	51 Townmead	London	SW6 2SY

	chestnut mushrooms	SO Organic		Pete Howard			Road		
05C-07159	Dried Scottish girolle	Strathspey Mushrooms	JANUARY 2007	None declared	06.01.06	www.GetDeli.co.uk	Strathspey Mushrooms Ltd	Inverness-shire	PH22 1PY
05C-07160	Dried Boletus edulis	None declared	JAN 2007	3ZCE1D	10.01.06	Ritter Courivaud Ltd	Unit 4 Food Park	Forres	IV26 2GU
05C-07161	Dried Cantharellus cibarius	None declared	JAN 2007	3ZSG01D	10.01.06	Ritter Courivaud Ltd	Unit 4 Food Park	Forres	IV26 2GU
05C-07162	Organic Crimini mushrooms	Waitrose	23 JAN	Display until 21 JAN 300A	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07163	Wild dried brown birch bolete	None declared	None declared	None declared	26.01.06	Gourmet Mushrooms	Morants Farm	Great Bromley	C07 7TN
05C-07164	Wild dried beefsteak fungus	None declared	None declared	None declared	26.01.06	Gourmet Mushrooms	Morants Farm	Great Bromley	C07 7TN
05C-07165	Oyster mushrooms	Tesco	21 NOV	SQ	16.11.05	Tesco	Olivier Way	Coventry	CV2 2SH
05C-07166	Local mushroom	None declared	None declared	None declared	16.11.05	Davey's	Coventry Retail Market	Coventry	CV1 3HT
05C-07167	Oriental mushroom selection	Tesco	20 NOV	SQ	16.11.05	Tesco	Olivier Way	Coventry	CV2 2SH
05C-07168	Oyster mushrooms	Asda Extra Special	None declared	Display until 20 NOV 860000	16.11.05	Asda	Oadby Firth	Leicester	LE2 4AH
05C-07169	Organic white mushrooms	Marks & Spencer	None declared	Display until 20 NOV 1823W	16.11.05	Marks & Spencer	18 Gallowtree Gate	Leicester	LE1 1DA
05C-07170	Organic mushrooms	Asda	None declared	Display until 19 NOV 648001	16.11.05	Asda	Oadby Firth	Leicester	LE2 4AH
05C-07171	Flat mushroom	None declared	None declared	None declared	16.11.05	Johnsons	55 The Parade	Leicester	LE2 5BB
05C-07172	Closed cup mushrooms	Iceland	None declared	Display until 21 NOV 955 4604 MOU99 5 010482 197223	19.11.05	Iceland	6 Wales Court	Downham Market	PE38 9JZ
05C-07173	Local flat mushrooms	None declared	None declared	None declared	19.11.05	S P Moyses	Market Place	Downham Market	PE38 9D

05C-07174	Cup mushrooms	None declared	None declared	None declared	24.11.05	Vivo	Hillview Services	Co. Antrim	BT41 2EB
05C-07175	Closed cup mushrooms	Super Valu	None declared	Display until 27 NOV	24.11.05	Super Valu	39 Main Street	Co. Antrim	BT41 3AB
05C-07176	Wild dried chicken of the woods	None declared	None declared	None declared	26.01.06	Gourmet Mushrooms	Morants Farm	Great Bromley	C07 7TN
05C-07177	Porcini mushrooms	Merchant Gourmet	NOV 2006	B11	28.01.06	Tesco	Cambridge Road Industrial Estate	Cambridge	CB4 6AZ
05C-07178	Perthshire heather honey	M Andrew	None declared	None declared	29.11.05	M Andrew	Cedarwood	Perthshire	PH10 6QW
05C-07179	Blossom honey	J E Taylor	2008	L0.103	29.11.05	Cornsheaf Health Food Store	33 High Street	Perthshire	PH10 6DA
05C-07180	Scottish blossom honey	Scarletts (Scotland)	29 SEP 07	None declared	29.11.05	M & A Newbigging	13 Commercial Street	Perthshire	PH11 8AF
05C-07181	Scottish heather honey	Heather Hills	25.04.07	None declared	25.11.05	M J Dorwood Quality Butcher	5 Commercial Street	Perthshire	PH11 8AF
05C-07182	Lancashire honey	None declared	None declared	0886 LE001-1000	15.11.05	The Village Health Shop	47 Church Street	Manchester	M39 0BJ
05C-07183	Trafford honey	Trafford	DEC 2010	L0092	15.11.05	Quality Fresh Foods	46 Moorfield Walk	Manchester	M41 0TT
05C-07184	Pure Cheshire honey	E N Peirson	DEC 2007	L065	15.11.05	Harry Coward	Unit 1 Market Hall	Manchester	M41 0XL
05C-07185	Pure Somerset honey	Sharon & Malcolm Blake	2007	L545S	21.11.05	The Trading Post	Lopenhead	South Petherton	TA13 5JH
05C-07186	Somerset honey	M H Ridler	07	Lot 9	21.11.05	Bonner's	37 Silver Street	Ilminster	TA19 0DW
05C-07187	Mourne flower honey	Jim Holland	2010	None declared	24.11.05	Sawer's	7 Fountain Centre	Co. Antrim	BT1 6ES
05C-07188	Pure Welsh honey	W V Chivers	2009	L5052	21.11.05	S & P Greengrocers	197 - 201 Cardiff Central Market	Cardiff	CF10 1AU
05C-07189	Mêl Pur Cymru	Jenkins Coity Apiaries	None declared	610 075 825 Z 72495	21.11.05	Howells	14 - 18 St Mary's Street	Cardiff	CF10 1TT
05C-07190	Black Mountains honey	Black Mountains	2009	L0004	24.11.05	Black Mountains Honey	4 Orchard Close	Abergavenny	NP7 0EN
05C-07191	Pure honey	Channells Norfolk Preserves	DEC 07	Produced JUL 05 dcr/LXG 0707	19.11.05	Dents of Hilgay	Steels Drove	Downham Market	PE38 0QH

05C-07192	Pure local honey	Hedgerows Norfolk	2010	L089	19.11.05	Dents of Hilgay	Steels Drove	Downham Market	PE38 0QH
05C-07193	Honey	Norfolk Cottage	DEC 2006	Brian Gennel	19.11.05	Norfolk Country Markets (Dorothy Dane)	Market Place	Downham Market	PE38 9D
05C-07194	Cambridgeshire honey	Barker	None declared	None declared	04.12.05	G Barker	Cambridge Sunday Market	Cambridge	
05C-07195	English honey	Waitrose	MAR 2007	5279B 15:43	02.12.05	Waitrose	Fred Archer Way	Newmarket	CB8 8NY
05C-07196	Pure English honey	Paynes Southdown Bee Farms Ltd	06 JAN 2008	None declared	17.12.05	Fresh & Wild	32-40 Stoke Newington Church Street	London	N16 0LU
05C-07197	Honey	Fosse Way	1 NOV 2007	None declared	16.11.05	Darlington's Deli	Coventry Retail Market	Coventry	CV1 3HT
05C-07198	Leicestershire honey	M Naylor	2008	L7059	16.11.05	Frutas Oadby	64 The Parade	Leicester	LE2 5BF
05C-07199	Mél pur Cymreig	D & J Sweet	2008	176041	26.11.05	Welsh Folk Museum	Souvenir Shop	Cardiff	CF5 6XB
05C-07200	Scottish heather honey	Honeyhill Bee Farm	30 AUG 2007	None declared	25.11.05	M J Dorwood	5 Commercial Street	Perthshire	PH11 8AF
05C-07201	Glen Isla Honey	W Dryden	2008	None declared	25.11.05	M J Dorwood	5 Commercial Street	Perthshire	PH11 8AF
05C-07202	Suffolk honey	J King	2008	None declared	17.12.05	Learmonth of Stocks Farm	Stoke Newington Farmers Market	Colchester	CO6 4NJ
05C-07203	Carrots	None declared	None declared	None declared	29.11.05	Martin's Fruit Bazaar	39 South Methven Street	Perth	PH1 5NU
05C-07204	Maris piper potatoes	None declared	None declared	None declared	29.11.05	Martin's Fruit Bazaar	39 South Methven Street	Perth	PH1 5NU
05C-07205	Kerrs pink potatoes	None declared	None declared	None declared	29.11.05	Martin's Fruit Bazaar	39 South Methven Street	Perth	PH1 5NU
05C-07206	Organic swede	Tesco	05 DEC 05	HD327 Display until 03 DEC 05	29.11.05	Tesco	Crieff Road	Perth	PH1 2NR
05C-07207	New potatoes - M Peer	Co-op	None declared	278 100 M052 Display until 02 DEC	29.11.05	Scotmid Co-op	51 Airlie Street	Blairgowrie	PH11 8AJ
05C-07208	Organic beetroot	None declared	None declared	None declared	30.11.05	Donald Clerk & Diane Thompson		Perthshire	PH12 8SN

05C-07209	Organic swede	None declared	None declared	None declared	30.11.05	Donald Clerk & Diane Thompson		Perthshire	PH12 8SN
05C-07210	Organic potatoes - Orla	None declared	None declared	None declared	30.11.05	Donald Clerk & Diane Thompson		Perthshire	PH12 8SN
05C-07211	Potatoes	None declared	None declared	None declared	30.11.05	M J Dorwood	5 Commercial Street	Perthshire	PH11 8AF
05C-07212	Ayrshire potatoes	None declared	None declared	None declared	30.11.05	Paul's Spar Store	10 Commercial Street	Perthshire	PH11 8AF
05C-07213	Wilja potatoes	None declared	None declared	None declared	30.11.05	M & A Newbigging	13 Commercial Street	Perthshire	PH11 8AF
05C-07214	Organic parsnips	None declared	None declared	None declared	30.11.05	Donald Clerk & Diane Thompson		Perthshire	PH12 8SN
05C-07215	Celeriac	None declared	None declared	None declared	15.11.05	SoFresh	28 Moorfield Walk	Manchester	M41 0TT
05C-07216	Beetroot	None declared	None declared	None declared	15.11.05	SoFresh	28 Moorfield Walk	Manchester	M41 0TT
05C-07217	Swede	Somerfield	None declared	Display until 19 NOV 67652	15.11.05	Somerfield	14 Moorfield Walk	Manchester	M41 0TT
05C-07218	British Small new potatoes - Charlotte	Somerfield	None declared	Display until 19 NOV 67611 15138A	15.11.05	Somerfield	14 Moorfield Walk	Manchester	M41 0TT
05C-07219	British White potatoes - Saxon	Somerfield	None declared	Display until 19 NOV 67611 15434	15.11.05	Somerfield	14 Moorfield Walk	Manchester	M41 0TT
05C-07220	British Baking potatoes - Osprey	Somerfield	None declared	Display until 19 NOV 67611 092317	15.11.05	Somerfield	14 Moorfield Walk	Manchester	M41 0TT
05C-07221	Organic potatoes - Valor	Somerfield	None declared	Display until 18 NOV 67611 154718	15.11.05	Somerfield	14 Moorfield Walk	Manchester	M41 0TT
05C-07222	Carrots	Iceland	None declared	Display until 28 NOV 47/03 A22511 955	26.11.05	Iceland	33 - 37 Bow Street	Ashton-under-Lyne	OL6 6BU
05C-07223	Parsnips	Iceland	None declared	Display until 25 NOV 46/07 A22511 955	26.11.05	Iceland	33 - 37 Bow Street	Ashton-under-Lyne	OL6 6BU
05C-07224	4 baking potatoes - Estima	Iceland	None declared	Display until 28 NOV 47/03 21:09 4	26.11.05	Iceland	33 - 37 Bow Street	Ashton-under-Lyne	OL6 6BU

05C-07225	Washed red potatoes - Romano	Splendour	None declared	Display until 03 DEC S/P	26.11.05	Kwiksave	1270 Ashton Old Road	Manchester	M11 1JG
05C-07226	Potatoes - Maris Piper	Sollom Growers	None declared	Display until 30 NOV	26.11.05	Booths	Stanley Road	Knutsford	WA16 0BS
05C-07227	Tasty small potatoes - Nicola	Heritage	24 DEC 05	28710	13.12.05	Sandfords	52 Folly Lane	Manchester	M27 0RJ
05C-07228	Turnip	None declared	None declared	None declared	13.12.05	Silcock's	8 Boothway	Manchester	M30 0EA
05C-07229	Selected red potatoes	None declared	None declared	None declared	13.12.05	Silcock's	8 Boothway	Manchester	M30 0EA
05C-07230	New baby potatoes - M. Peer	Linroyale	None declared	P/C 341	13.12.05	Spar Store	233-235 Monton Road	Manchester	M30 9PN
05C-07231	Organic red potatoes	None declared	None declared	None declared	21.11.05	The Trading Post	Lopenhead	South Petherton	TA13 5JH
05C-07232	Organic white potatoes	None declared	None declared	None declared	21.11.05	The Trading Post	Lopenhead	South Petherton	TA13 5JH
05C-07233	Organic unwashed carrots	None declared	None declared	None declared	21.11.05	The Trading Post	Lopenhead	South Petherton	TA13 5JH
05C-07234	Unwashed raw beetroot	None declared	None declared	None declared	21.11.05	The Trading Post	Lopenhead	South Petherton	TA13 5JH
05C-07235	Potatoes - Maris Peer	None declared	None declared	None declared	21.11.05	John Rendell	25 Silver Street	Ilminster	TA19 0DH
05C-07236	Selected potatoes - Estima	None declared	None declared	None declared	21.11.05	John Rendell	25 Silver Street	Ilminster	TA19 0DH
05C-07237	Turnips	None declared	None declared	None declared	21.11.05	John Rendell	25 Silver Street	Ilminster	TA19 0DH
05C-07238	Selected potatoes	None declared	None declared	None declared	21.11.05	Fivehead Post Office & General Stores	Isle Brewers Road	Taunton	TA3 6PA
05C-07239	Dirty parsnips	None declared	None declared	None declared	21.11.05	Granny Smiths	3 St James Street	Taunton	TA1 1JH
05C-07240	Half swede	Sainsbury's	23\NOV\05	Display until 21\NOV\05	21.11.05	Sainsbury's	Hankridge Farm	Taunton	TA1 2LR
05C-07241	Charlotte potatoes	Sainsbury's	26 NOV	Display until 24 NOV D0646A (5A) 08:00	21.11.05	Sainsbury's	Hankridge Farm	Taunton	TA1 2LR
05C-07242	Baby new potatoes -	Sainsbury's	None declared	Display until 23 NOV	21.11.05	Sainsbury's	Hankridge Farm	Taunton	TA1 2LR

	Maris Peer Cornish King			D0646A (5A) 10:57					
05C-07243	Roasted & salted pistachio nuts	Cypressa	JUL 2006	5311	20.02.06	Limoncello	212 Mill Road	Cambridge	CB1 3NF
05C-07244	Roasted & salted pistachio nuts	K B Natural Foods	31JAN07	NG161105	20.02.06	Londis	218 Mill Road	Cambridge	CB1 3NF
05C-07245	Roasted cobnuts	Hurstwood Farm	28.04.2006	None declared	19.01.06	Hurstwood Farm	The Hurst, Crouch	Kent	TN15 8TA
05C-07246	Monkey nuts	Sainsbury's Basics	31 MAY 2006	L5334R	06.12.05	Sainsbury's	Coldhams Lane	Cambridge	CB1 3HP
05C-07247	Organic pine nuts	Crazy Jack	AUG 2006	5298 H12 11:20	06.12.05	Sainsbury's	Coldhams Lane	Cambridge	CB1 3HP
05C-07248	Pine nuts	Tesco	MAR 06	L5319A	06.12.05	Tesco	Old North Road	Royston	SG8 5UA
05C-07249	Pine nuts	Asda	07 10 06	53355N	06.12.05	Asda	Beehive Centre	Cambridge	CB1 3ER
05C-07250	Organic pinenuts	Planet Organic	30-May-06	05/48 445042	07.12.05	Planet Organic	25 Effie Road	London	SW6 1EL
05C-07251	Pine nuts	Morrison's	24 FEB 06	TH4 293 JH	15.12.05	Morrison's	Coburg Street	King's Lynn	PE30 1QB
05C-07252	Organic chestnuts	None declared	None declared	None declared	17.12.05	Fresh & Wild	32-40 Stoke Newington Church Street	London	N16 0LU
05C-07253	Red skin peanuts	Fudco	DEC 2006	C052121k	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07254	Hazelnuts in shell	Tesco	MAR 06	2005 L5283	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07255	Walnuts	Tesco Whole Foods	MAY 06	L5340A	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07256	Chestnuts	None declared	None declared	None declared	08.01.06	Gayton Farm Shop	Clayhythe Road	Cambridge	CB5 9JE
05C-07257	Cobnuts	Brian Rudd	None declared	None declared	10.02.06	Carol Rudd	Oast Cottage	Kent	TN15 9DG
05C-07258	Franquete shelled walnuts nuts	None declared	None declared	None declared	17.02.06	Yaldham Manor	Sevenoaks	Kent	TN15 6NN
05C-07259	Various shelled English walnuts	None declared	None declared	None declared	17.02.06	Yaldham Manor	Sevenoaks	Kent	TN15 6NN
05C-07260	Roasted salted pistachios	Co-op	10 JUN 06	6017 H05 9:37	20.02.06	Co-op	183 Mill Road	Cambridge	CB1 3AN
05C-07261	Local wet walnuts	None declared	None declared	None declared	19.11.05	Dents of Hilgay	Steels Drove	Downham Market	PE38 0QH
05C-07262	Local	None	None declared	None	19.11.05	Dents of	Steels Drove	Downham	PE38 0QH

	chestnuts	declared		declared		Hilgay		Market	
05C-07263	Local chestnuts	None declared	None declared	None declared	24.11.05	Sawer's	7 Fountain Centre	Co. Antrim	BT1 6ES
05C-07264	Organic pinenuts	Waitrose	12/05/06	275ZZ/ 5313	30.11.05	Waitrose	Fred Archer Way	Newmarket	CB8 8NY
05C-07265	Pine kernels	Nature's Harvest	AUG 06	05286 1809 3 22739	26.11.05	Holland & Barrett	58 Eden Hall	Cambridge	CB1 1PS
05C-07266	Pine nuts	Marks & Spencer	07 FEB 2006	L5289A	04.12.05	Marks & Spencer	6 Sidney Street	Cambridge	CB2 3HH
05C-07267	Pine nuts	Queenswood	JUN 2006	L0340	06.12.05	Cambridge Health Foods	5 Bridge Street	Cambridge	CB2 1UA
05C-07268	Roasted peanuts in shell	Asda	08 04 06	53321A	06.12.05	Asda	Beehive Centre	Cambridge	CB1 3ER
05C-07269	Gunslebert cobnuts	John Cannon	None declared	None declared	23.01.06	Roughway Farm	Roughway	Kent	TN11 9SN
05C-07270	Kentish cobnuts	John Cannon	None declared	None declared	23.01.06	Roughway Farm	Roughway	Kent	TN11 9SN
05C-07271	Mixed cobnuts (Kentish, Gunslebert & Butler)	John Cannon	None declared	None declared	23.01.06	Roughway Farm	Roughway	Kent	TN11 9SN
05C-07272	Cobnuts	Golding Hop Farm	None declared	None declared	25.01.06	Golding Hop Farm	Bewley Lane	Kent	TN15 0PS
05C-07273	Two venison steaks	Holme Farmed Venison	None declared	None declared	26.11.05	Booths	Stanley Road	Knutsford	WA16 0BS
05C-07274	Oven ready pheasant	The UK Game Company	None declared	0121911	26.11.05	Booths	Stanley Road	Knutsford	WA16 0BS
05C-07275	Oven ready pheasant	Julies Poultry & Game	None declared	None declared	26.11.05	Bernard Kelly (Urmston Market)	77 Railway Road	Manchester	M41
05C-07276	One brace of pheasant	Dillington Estate	None declared	None declared	17.12.05	J.W. Rowswell & Sons	The Shambles	Ilminster	TA19 0LN
05C-07277	Diced venison (wild Red deer - verbal)	None declared	None declared	None declared	17.12.05	J.W. Rowswell & Sons	The Shambles	Ilminster	TA19 0LN
05C-07278	Diced farmed venison	Stockland Farmed Venison	None declared	Packed on 16/12/05	17.12.05	Stockland Farmed Venison	Crew Herne Farmers Market	Honiton	EX14 9DU
05C-07279	Wild venison casserole	Simon Howie	None declared	None declared	29.11.05	Simon Howie Quality Butchers	270 High Street	Perth	PH1 5QS
05C-07280	Diced haunch	Keracher	08.12.2005	Packed on	29.11.05	Keracher	Units 5/8	Perth	PH1 1PP

	of wild venison			28.11.2005 Sell by 08.12.2005			Whitefriars Street		
05C-07281	Oven ready pheasant	Keracher	None declared	Packed on 28.11.2005	29.11.05	Keracher	Units 5/8 Whitefriars Street	Perth	PH1 1PP
05C-07282	Pheasant	None declared	None declared	2547	30.11.05	M J Dorwood Quality Butcher	5 Commercial Street	Perthshire	PH11 8AF
05C-07283	Organic venison steak	Llantrithyd Deer Park	None declared	Packed on 14 Oct 05	26.11.05	A Leijerstam	Vale of Glamorgan Farmers Market	Vale of Glamorgan	CF5 6TQ
05C-07284	Wild pheasant breasts	None declared	None declared	None declared	27.11.05	Dicken Dale Farm	Cardiff Riverside Sunday Market	Leominster	HR6 9UQ
05C-07285	Venison pieces	Moyallon Foods	None declared	None declared	24.11.05	Sawer's	7 Fountain Centre	Co. Antrim	BT1 6ES
05C-07286	Brace of dressed pheasants	None declared	None declared	None declared	24.11.05	Sawer's	7 Fountain Centre	Co. Antrim	BT1 6ES
05C-07287	Pheasant	None declared	None declared	None declared	15.12.05	Priors of West Lynn	164 St Peters Road	King's Lynn	PE34 3JF
05C-07288	Venison steaks	None declared	None declared	None declared	15.12.05	Priors of West Lynn	164 St Peters Road	King's Lynn	PE34 3JF
05C-07289	Pheasant	None declared	None declared	None declared	15.12.05	Gamble & Hollis	14 Town Square	System	LE7 1GZ
05C-07290	Venison haunch for roasting - fallow	None declared	None declared	09.01.06	15.12.05	Gamble & Hollis	14 Town Square	System	LE7 1GZ
05C-07291	Venison haunch for roasting - red	None declared	None declared	09.01.06	15.12.05	Gamble & Hollis	14 Town Square	System	LE7 1GZ
05C-07292	Pheasant	None declared	None declared	None declared	15.12.05	J Michael	7 Sibson Road	Birstall	LE4 4DX
05C-07293	Whole new season pheasant	Harrods	None declared	17.12.2005 12:43:31 803 scale 10 12505/10 800329	17.12.05	Harrods	87 - 135 Brompton Road	London	SW1X 7XL
05C-07294	Wild venison stewing steak	Highland Game Scotland	None declared	17.12.2005 12:46:04 805 scale 10 12508/10	17.12.05	Harrods	87 - 135 Brompton Road	London	SW1X 7XL

05C-07295	Herbed wild venison steaks	Devon Rose	None declared	None declared	17.12.05	Fresh & Wild	32-40 Stoke Newington Church Street	London	N16 0LU
05C-07296	Best quality pheasant	None declared	None declared	None declared	11.01.06	A G Miller Family Butchers (website)	152 Waldergrave Road	Teddington	TW11 8NA
05C-07297	Muntjac saddle-eye fillet	Manor Farm Game	None declared	None declared	19.01.06	Manor Farm Game	Berkeley Avenue	Chesham	HP5 2RS
05C-07298	Somerset Marfona potatoes	None declared	None declared	None declared	24.11.05	Alcombe Farm Shop	59 Alcombe Road	Minehead	TA24 6BB
05C-07299	Devon Marfona potatoes	None declared	None declared	None declared	24.11.05	Alcombe Farm Shop	59 Alcombe Road	Minehead	TA24 6BB
05C-07300	Organic potatoes	None declared	None declared	None declared	19.11.05	Ty Mawr Organic Veg - P W Bevan	Vale of Glamorgan Farmers Market	Penarth	
05C-07301	Organic carrots	None declared	None declared	None declared	19.11.05	Ty Mawr Organic Veg - P W Bevan	Vale of Glamorgan Farmers Market	Penarth	
05C-07302	Organic parsnips	None declared	None declared	None declared	19.11.05	Ty Mawr Organic Veg - P W Bevan	Vale of Glamorgan Farmers Market	Penarth	
05C-07303	Organic swede	None declared	None declared	None declared	19.11.05	Ty Mawr Organic Veg - P W Bevan	Vale of Glamorgan Farmers Market	Penarth	
05C-07304	Organic beetroot	None declared	None declared	None declared	19.11.05	Ty Mawr Organic Veg - P W Bevan	Vale of Glamorgan Farmers Market	Penarth	
05C-07305	New potatoes - Nicola	Morrison's	None declared	None declared	21.11.05	Morrisons	Ty Glas	Cardiff	CF4 5ED
05C-07306	Maris Piper potatoes	None declared	None declared	None declared	21.11.05	Yeates Fruit & Veg	Cardiff Central Market	Cardiff	CF10 1AU
05C-07307	Turnips	None declared	None declared	None declared	21.11.05	Yeates Fruit & Veg	Cardiff Central Market	Cardiff	CF10 1AU
05C-07308	New potatoes	None declared	None declared	None declared	21.11.05	S & P Greengrocers	197 - 201 Cardiff Central Market	Cardiff	CF10 1AU
05C-07309	Organic potatoes -	None declared	None declared	None declared	24.11.05	P J Watkins & Son	Abergavenny Farmers'	Abergavenny	

	Robinta						Market		
05C-07310	Potatoes - Saxon	None declared	None declared	None declared	24.11.05	E Watkins	Abergavenny Farmers' Market	Abergavenny	
05C-07311	Potatoes	None declared	None declared	None declared	24.11.05	M Wainwright	Abergavenny Farmers' Market	Abergavenny	
05C-07312	Wilja potatoes	None declared	None declared	None declared	16.11.05	Johnsons	55 The Parade	Leicester	LE2 5BB
05C-07313	Celeriac	None declared	None declared	None declared	16.11.05	Johnsons	55 The Parade	Leicester	LE2 5BB
05C-07314	Beetroot	None declared	None declared	None declared	16.11.05	Gary Cavers	Stall B105	Leicester	LE1 5HQ
05C-07315	Maris Bard potatoes	None declared	None declared	None declared	16.11.05	Gary Cavers	Stall B105	Leicester	LE1 5HQ
05C-07316	Swede	None declared	None declared	None declared	16.11.05	Stodds of Leicester	Stall C55	Leicester	LE1 5HQ
05C-07317	Lincoln Royals	None declared	None declared	None declared	16.11.05	Stodds of Leicester	Stall C55	Leicester	LE1 5HQ
05C-07318	Organic carrots	None declared	None declared	None declared	16.11.05	Timlocks Birstall	Stall B47	Leicester	LE1 5HQ
05C-07319	Parsnips	None declared	None declared	None declared	16.11.05	Timlocks Birstall	Stall B47	Leicester	LE1 5HQ
05C-07320	Quality potatoes	W Golding	None declared	None declared	16.11.05	Frutas Oadby	64 The Parade	Leicester	LE2 5BF
05C-07321	Quality potatoes - Desiree	Branston	None declared	L	16.11.05	Desi Greengrocers	3 Stoughton Road	Leicester	LE2 4DS
05C-07322	Charlotte potatoes	Marks & Spencer	None declared	Display until 20 NOV 4146 S Wrisdale	16.11.05	Marks & Spencer	18 Gallowtree Gate	Leicester	LE1 1DA
05C-07323	Organic potatoes - Sante	Asda	None declared	Display until 20 NOV 629205 RM 308837	16.11.05	Asda	Oadby Firth	Leicester	LE2 4AH
05C-07324	Baking potatoes - Cara	Tesco	20 NOV	13S10L21323D	16.11.05	Tesco	Olivier Way	Coventry	CV2 2SH
05C-07325	Premium white potatoes - Vivaldi	Sainsbury's	None declared	Display until 20 NOV P1 HO162BP 55393 Line 3 12:29	16.11.05	Sainsbury's	24 - 26 Trinity Street	Coventry	CV1 1FL
05C-07326	Local dirty	None declared	None declared	None declared	19.11.05	S P Moyses	Market Place	Downham	PE38 9D

	carrots							Market	
05C-07327	Local turnip	None declared	None declared	None declared	19.11.05	S P Moyses	Market Place	Downham Market	PE38 9D
05C-07328	Local bakers - Estima	None declared	None declared	None declared	19.11.05	S P Moyses	Market Place	Downham Market	PE38 9D
05C-07329	Local dirty parsnips	None declared	None declared	None declared	19.11.05	Dents of Hilgay	Steels Drove	Downham Market	PE38 0QH
05C-07330	Maris Piper potatoes	Marks & Spencer	None declared	Display until 27 NOV 2058 RJM	24.11.05	Marks & Spencer	48 Donegall Place	Belfast	BT1 5BY
05C-07331	Parsnips	None declared	None declared	None declared	24.11.05	Bonnes Spar	11 Main Street	Co. Antrim	BT41 3AB
05C-07332	Turnips	None declared	None declared	None declared	24.11.05	The Orchard	19 New Street	Co. Antrim	BT41 3AF
05C-07333	Beetroot	None declared	None declared	None declared	24.11.05	The Orchard	19 New Street	Co. Antrim	BT41 3AF
05C-07334	Potatoes - Dunbar Standards	None declared	None declared	None declared	24.11.05	The Orchard	19 New Street	Co. Antrim	BT41 3AF
05C-07335	New season potatoes - Maris Peer	Dunnes Stores	None declared	DU 29/11/05 2N23	24.11.05	Dunnes Stores	11 - 15 High Street	Co. Antrim	BT1 2AA
05C-07336	4 large baking potatoes - Orla	Glens of Antrim Potatoes	None declared	Display until 29/11/05 2S5	24.11.05	Dunnes Stores	11 - 15 High Street	Co. Antrim	BT1 2AA
05C-07337	Potatoes - Maris Piper	None declared	None declared	None declared	24.11.05	Deighan Market Stall	St Georges Market	Co. Antrim	
05C-07338	Catherine wheels	Asda	AUG 2006	LB5 325 11:10	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07339	Dairy toffee	Asda Smart Price	SEP 2006	L3 5 356 04:09	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07340	Clear fruits	Waitrose	13 DEC 06	32X5347	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07341	Pontefract cakes	Haribo	02/07	L441-32905-0102301 1541	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07342	Liquorice catherine wheels	Barratt	AUG 2006	LB5 339 16:24	28.01.06	Co-op	1 Station Road	Cambridge	CB4 9LQ
05C-07343	Giant love hearts	Swizzells	JUN 07	None declared	28.01.06	Co-op	1 Station Road	Cambridge	CB4 9LQ
05C-07344	Licorice aniseed	Barnetts	JAN 08	None declared	02.02.06	Barnett via Jar of Sweets website	Stansfield Street	Nottingham	NG7 2AE
05C-07345	Liquorice cream rock	Treasure Island Sweets	28th MAY 2006	None declared	17.02.06	Treasure Island Sweets website	70 The Covered Market	Bristol	BS1 1LJ

05C-07346	Liquorice twists	Tesco	AUG 2006	LH5 335 08:06	28.01.06	Tesco	Cambridge Road Industrial Estate	Cambridge	CB4 6AZ
05C-07347	Liquorice toffee	Bluebird	None declared	None declared	13.02.06	The Sugar Boy (website)	31 Palace Street	Kent	CT1 2DZ
05C-07348	Double Devon butter toffee	Marks & Spencer	21 03 06	Display until 14 03 06 C	04.02.06	Marks & Spencer	6 Sidney Street	Cambridge	CB2 3HH
05C-07349	Scottish tablet - Hebridean toffee	Heart Hebrides	July 2006	00040	03.02.06	Heart Hebrides website	Castlebay	Isle of Barra	HS9 5XD
05C-07350	Jargonelle pears	Brays	None declared	None declared	31.01.06	Brays Sweets Limited via The Welsh Sweet Shop website	Palmerston Road	Vale of Glamorgan	CF63 2XA
05C-07351	Spanish honey & butter toffees	Stockley's	None declared	None declared	31.01.06	The Village Sweet Shop website	38 Broadway	South Staffs	WV8 2EL
05C-07352	Organic Laidback liquorice	Free Natural	06 10 06	None declared	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY
05C-07353	Butter candies	Werther's Original	08.2006	C51C	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY
05C-07354	Liquorice allsorts	Bassett's	08 2006	LB5346	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07355	Glacier mints	Fox's	09 10 06	L541A (3) 16:13	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07356	Rhubarb & custard	Bristow's	SEP' 06	L5256	08.01.06	Gayton Farm Shop	Clayhythe Road	Cambridge	CB5 9JE
05C-07357	Cola millions	Golden Casket	None declared	None declared	31.01.06	The Sugar Boy (website)	31 Palace Street	Kent	CT1 2DZ
05C-07358	Orange & lemon slices	Sela	None declared	None declared	31.01.06	The Sugar Boy (website)	31 Palace Street	Kent	CT1 2DZ
05C-07359	Pineapple rock	Gray's	None declared	None declared	31.01.06	The Sugar Boy (website)	31 Palace Street	Kent	CT1 2DZ
05C-07360	Olde English Royal toffee	Walkers' Nonsuch	None declared	None declared	31.01.06	The Sugar Boy (website)	31 Palace Street	Kent	CT1 2DZ
05C-07361	Pontefract cakes	Wilkinsons	None declared	None declared	31.01.06	The Sugar Boy (website)	31 Palace Street	Kent	CT1 2DZ
05C-07362	Poor Bens	Lions	None declared	None declared	31.01.06	The Sugar Boy (website)	31 Palace Street	Kent	CT1 2DZ
05C-07363	Sun ripened dried mixed fruit	Whitworths	OCT 2006	L5302A7351	12.01.06	Tesco	Fordham Road	Newmarket	CB8 7AH

05C-07364	World Orchard South African orange river sultanas	Whitworths	AUG 2006	L5333A7653	12.01.06	Tesco	Fordham Road	Newmarket	CB8 7AH
05C-07365	Jumbo mixed raisins	Sundora	Jul 2006	L5290A5251	12.01.06	Tesco	Fordham Road	Newmarket	CB8 7AH
05C-07366	Fruity Bytes mixed raisins	Sundora	DEC 06	L5320C	12.01.06	Tesco	Fordham Road	Newmarket	CB8 7AH
05C-07367	Organic mini raisins	Asda	31 AUG 06	5236 Farmer code 240RU	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07368	Sultanas	Asda	AUG 06	MLD L5 329 AP2	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07369	Currants	Asda	SEP 2006	L5 259 11	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07370	Mixed fruit	Waitrose	MAY 2006	L5323A7651	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07371	Mixed raisins	Waitrose	SEP 2006	5251Y7	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07372	Australian sultanas	Waitrose	JAN 07	52505F442	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07373	Currants	Waitrose	NOV 2006	L5332A5201	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07374	Sultanas	Morrison's Bettabuy	AUG 06	L5217DBYPG	20.01.06	Morrison's	High Road	London	N22 6BH
05C-07375	Currants	Morrison's	NOV 06	L5311DYYPG	20.01.06	Morrison's	High Road	London	N22 6BH
05C-07376	Mixed fruit	Morrison's	OCT 06	L5291DYYPG	20.01.06	Morrison's	High Road	London	N22 6BH
05C-07377	Currants	Whitworths	OCT 2006	L 5 281 21	07.02.06	Budgens	6 Adkins Corner	Cambridge	CB1 3TE
05C-07378	Californian seedless raisins	Morrison's	OCT 06	L5279DYYPG	20.01.06	Morrison's	High Road	London	N22 6BH
05C-07379	Organic currants	Planet Organic	20 Jun 06	05/51 Org 4463 45	18.02.06	Planet Organic	25 Effie Road	London	SW6 1EL
05C-07380	Sultanas	Mace	OCT 06	5280B	11.02.06	Mace	20 Oxford Street	Newmarket	CB8 7EW
05C-07381	Dried mixed fruit	Co-op	OCT 2006	L5318N7351	02.01.06	Co-op	5 North Street	Cambridge	CB5 0BA
05C-07382	Greek currants	Sainsbury's Basics	NOV 06	5319	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY
05C-07383	Organic raisins	Sainsbury's SO Organic	SEP 2006	5 342 H21 15:26	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY
05C-07384	Organic sun dried raisins	Crazy Jack	SEP 2006	5 340 H22 08:21	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY
05C-07385	Sultanas	Sainsbury's	NOV 2006	5328 T1	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY

05C-07386	Premium sultanas	Sundora	NOV 2006	L5329 A7151	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY
05C-07387	Natural California raisins	Sun-Maid	21 12 06	None declared	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07388	Greek currants	Tesco	OCT 06	5266	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07389	Sultanas	Tesco	OCT 06	5286 599/05	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07390	Californian seedless raisins	Tesco	OCT 06	2915C	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07391	Dried mixed fruit	Tesco Value	DEC 06	L5 343 A P2	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07392	Sunny raisin	Whitworths	NOV 2006	L5326C	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07393	Currants	Daily Bread	15 Jul 06	Packed on 13 Jan 06	28.01.06	Daily Bread Co-operative	Unit 3 Kilmaine Close	Cambridge	CB4 2PH
05C-07394	Currants	Chef's Larder	SEP 2006	L 5 263 11	13.02.06	Booker Cash & Carry	Unit 5-7 Coldhams Business Park	Cambridge	CB1 3LH
05C-07395	Golden sultanas	TRS	JUN 2006	L5175	13.02.06	Bangla Bazaar	194 Mill Road	Cambridge	CB1 3NS
05C-07396	Australian sultanas	Nature's Harvest	SEP 06	05318 1444 4 23185	11.02.06	Holland & Barrett	Rookery Centre	Newmarket	CB8 8EQ
05C-07397	Currants	Mace	OCT 06	5285B	11.02.06	Mace	20 Oxford Street	Newmarket	CB8 7EW
05C-07398	Washed potatoes	None declared	None declared	None declared	15.12.05	Priors of West Lynn	164 St Peters Road	King's Lynn	PE34 3JF
05C-07399	Swede	None declared	None declared	None declared	15.12.05	Priors of West Lynn	164 St Peters Road	King's Lynn	PE34 3JF
05C-07400	Turnips	Co-op	None declared	None declared	15.12.05	Co-op	New Town Centre	Syston	LE7 8HD
05c-07401	Baking potatoes	Co-op	None declared	None declared	15.12.05	Co-op	New Town Centre	Syston	LE7 8HD
05C-07402	White turnip	Morrison's	None declared	15:59 TB2A29ITC Display until 19 DEC	15.12.05	Morrison's	Coburg Street	King's Lynn	PE30 1QB
05C-07403	Organic beetroot	Ripple Farm Organics	None declared	None declared	17.12.05	Ripple Farm Organics	Stoke Newington Farmers Market	Canterbury	CT4 7EB
05C-07404	Parsnips	Morrison's	None declared	Display until 18 DEC 0796	15.12.05	Morrison's	Coburg Street	King's Lynn	PE30 1QB
05C-07405	Whitepark Bay Kerr's Pink quality potatoes	McCurdy's	None declared	None declared	24.11.05	Vivo	Hillview Services	Co. Antrim	BT41 2EB
05C-07406	Potatoes - Cultra	None declared	None declared	None declared	24.11.05	Super Valu	39 Main Street	Co. Antrim	BT41 3AB

05C-07407	Carrots	Super Valu	None declared	Display until 28 NOV Supplier code CF	24.11.05	Super Valu	39 Main Street	Co. Antrim	BT41 3AB
05C-07408	Turnip	Avenue Fruit & Veg	None declared	None declared	24.11.05	Mace	22 - 24 New Street	Co. Antrim	BT41 3AF
05C-07409	Baking potatoes - Estima	Morrison's	None declared	Display until 19 DEC TB4 201IM	15.12.05	Morrison's	Coburg Street	King's Lynn	PE30 1QB
05C-07410	Carrots	Morrison's	None declared	Display until 20 DEC R2B31309KB	15.12.05	Morrison's	Coburg Street	King's Lynn	PE30 1QB
05C-07411	Red potatoes - Romano	Morrison's	None declared	Display until 23 DEC RA510807RM	15.12.05	Morrison's	Coburg Street	King's Lynn	PE30 1QB
05C-07412	Celeriac	Sainsbury's	12 JAN	Display until 10 JAN M0259N Jack Buck 7016	07.01.06	Sainsbury's	51 Townmead Road	London	SW6 2SY
05C-07413	Organic baking potatoes - Lady Balfour	Tesco	14 01 06	Display until 10 01 06 GV1 11:15 L8	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07414	Parsnips	Tesco Value	13 JAN	Display until 10 JAN HUNTAPAC	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07415	Cara potatoes	None declared	None declared	None declared	15.12.05	Priors of West Lynn	164 St Peters Road	King's Lynn	PE34 3JF
05C-07416	Desiree potatoes	None declared	None declared	None declared	15.12.05	Priors of West Lynn	164 St Peters Road	King's Lynn	PE34 3JF
05C-07417	Organic Valor potatoes	Ripple Farm Organics	None declared	None declared	17.12.05	Ripple Farm Organics	Stoke Newington Farmers Market	Canterbury	CT4 7EB
05C-07418	Organic turnips	Fresh & Wild	None declared	None declared	17.12.05	Fresh & Wild	32-40 Stoke Newington Church Street	London	N16 0LU
05C-07419	King Edwards roasting potatoes	None declared	None declared	25163	17.12.05	Fresh & Wild	32-40 Stoke Newington Church Street	London	N16 0LU
05C-07420	Organic baby new potatoes - Princess	Tesco	15 01 06	Display until 12 01 06 GV1 15:03 L9	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07421	British carrots	Tesco	14 JAN	Display until 11 JAN PB5	07.01.06	Tesco	Kennington Lane	London	SE11 5QU

05C-07422	King Edward potatoes	Tesco	13 JAN	Display until 10 JAN SNF 35L535eD	07.01.06	Tesco	Kennington Lane	London	SE11 5QU
05C-07423	4 British baking potatoes - Harmony	Asda	None declared	5b 13:12 012 MARK HEADING 620001 Display until 17 JAN	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07424	British white potatoes - Nadine	Asda	None declared	1 15:40 009 Martin Hammond 620252 Display until 15 JAN	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07425	British carrots	Asda	None declared	012845010 Strawson 06:53 2 Display until 16 JAN	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07426	British red potatoes - Romano	Asda	None declared	42 15:23 620039 Display until 18 JAN	14.01.06	Asda	Beehive Centre	Cambridge	CB1 3ET
05C-07427	Organically grown swede	Waitrose	25 JAN	2431 181/VG	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07428	Parsnips speciality	Waitrose	23 JAN	181/WK	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07429	Turnips	Waitrose	None declared	None declared	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07430	Potatoes - Marfona	Waitrose	27 JAN	236/1H PP1 21:01	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07431	Organic red potatoes - Romano	Waitrose	26 JAN	236/1H PP3a 21:12	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07432	Red salad potatoes - Roseval	Waitrose	27 JAN	236/M L7 11:40	20.01.06	Waitrose	273 Ballards Lane	London	N12 8NR
05C-07433	Beetroot	None declared	None declared	None declared	28.01.06	Darwin Nurseries	5 Quy Waters	Cambridge	CB1 5AT
05C-07434	Organic baby new potatoes - Nicola	Budgens	None declared	Display until 07 FEB 3215	07.02.06	Budgens	6 Adkins Corner	Cambridge	CB1 3TE

05C-07435	Baking potatoes - Sante	Budgens	None declared	Display until 09 FEB 3215	07.02.06	Budgens	6 Adkins Corner	Cambridge	CB1 3TE
05C-07436	Beetroot	None declared	None declared	None declared	07.02.06	G & M Fruit & Veg	Cambridge Market	Cambridge	
05C-07437	Cara potatoes	None declared	None declared	None declared	07.02.06	Harvey's at Cambridge Market	77 Hauxton Road	Cambridge	CB2 5HJ

Annex 3. Responses from brand owners of products with high levels of metals

BRITISH RETAIL CONSORTIUM (on behalf of retailers)

We welcomed the background information that you provided, and clarification that one of the reasons for carrying out the survey was to gather information on the current levels of heavy metals found in pine nuts. The findings showed that, as expected, the levels currently laid down under the legislation (Regulation (EC) No. 466/2001) are not being met.

From our discussions it is clear that the Agency does not regard this as a safety issue - and therefore retailers await further advice from the Agency as to what would be the most appropriate approach.

We understand that information gathered from the survey will be used during the negotiations in Brussels to determine a more appropriate level for heavy metals in these foodstuffs, and ultimately to revise the legislation. Further to the discussion with the Commission and other Member States on the 23rd June we hope the Agency will be in a better position to clarify the issue.

FUNDAMENTALLY FUNGUS

We are aware that cultivated mushrooms may contain cadmium due to bioaccumulation from compost substrates. We have occasional test results for cadmium and lead, which to date have shown no problems. The last result in January 2006 showed cadmium at <0.05mg/kg. We have no obvious explanation for the result you found but our growers have been approached and they are working with the compost supplier whose responsibility it is to ensure composts do not contain contaminants.

HARRODS

The results were replicated in the third sample at 2.97mg/kg. All the other samples we and the supplier took since the results range between 0.04 to 0.12mg/kg. We are continuing to test at regular intervals.

The mushrooms are grown in 'grow bags' off the ground in pasteurised wheat straw and tap water so the origin of the metal remains and unsolved mystery.

SMITHY MUSHROOMS

In response to your letter dated 27/02/2006 (Ref Env 405). It was brought to our attention by the Environmental Health Division at Manchester Airport on 21st November 2005 that a

shipment of Shiitake we were importing from China had higher levels of Cadmium than permitted.

In response to their letter, we decided to carry out our own tests to find out whether the problem was to do with Shiitake in general or only with Chinese Shiitake. We proceeded to send a sample of European Shiitake, a sample of our own Chinese imports and a sample of Chinese imports, supplied by a different company, to Eurofins for analysis.

The following results were returned to us:

Shiitake grown in the UK on European substrate <0.01mg/kg

Smithy Mushrooms imported Chinese Shiitake 0.81mg/kg

Imported Chinese Shiitake 0.6mg/kg

Following these tests, we reached the conclusion that the problem lies with Chinese imports and, to comply with UK legislation, we decided to stop importing Shiitake from China. We would, however, ask you to re-analyse the sample of European Shiitake you tested because the result seems anomalous.

(how could cadmium level possibly be 3.64mg/kg?).

CRAZY JACK ORGANIC PINE NUTS

Crazy Jack purchases high quality organic pine nuts from China. We are aware that pine nuts have been found to have unexpected levels of Cadmium. Research undertaken has shown that these levels occur in pine nuts from all origins, and regardless of environment and agriculture. The fact that Crazy Jack Organic pine nuts are grown organically is not a factor in the cadmium levels.

There is acknowledgment in the UK and in other European countries that the current statutory level for cadmium of 0.1 mg/kg is not achievable for pine nuts and there are discussions in the EU about revising the current levels. In the meantime, our view based on current advice from the FSA is that the levels found in the samples of Crazy Jack pine nuts included in this survey are not of concern to consumer safety. Any further enquires can be directed to info@crazyjack.co.uk or Crazy Jack, Community Foods Ltd., Brent Terrace, London, NW2 1LT. Telephone ++ 44 (0)20 82088820.