



The Food & Environment
Research Agency

Survey of metals in commercial infant foods, infant formula and non-infant specific foods

Report for the UK Food Standards Agency (FS102048)

The Food and Environment Research Agency
Sand Hutton
York
YO41 1LZ
UK

Tel: +44(0)1904 46 2000

Web: www.fera.defra.gov.uk

Email: foodanalysis@fera.gsi.gov.uk / info@fera.gsi.gov.uk

Survey of metals in commercial infant foods, infant formula and non-infant specific foods

Fera report number: 14/01

Author: Nicola Brereton

Date: March 2014

Client: Food Standards Agency,
Aviation House,
125 Kingsway,
London, WC2B 6NH

Client's project no. FS102048

Fera's Project no.: A2FY 1500

Principal workers: N. Brereton, M. Baxter, M. Walls, M. Parmar, A. Grieve,
M. Wilderspin, J. Stubbs and J. Wilkinson

Distribution: 1. R. Burden, FSA
2. G. Shears, FSA
3. N. Brereton, Fera
4. E. Bradley, Fera



1642



Summary

247 infant foods and infant formula plus 50 non-infant specific foods were analysed for aluminium, antimony, total arsenic, inorganic arsenic (in those samples found to contain ≥ 10 $\mu\text{g}/\text{kg}$ of total arsenic), cadmium, chromium, copper, iodine, iron, lead, manganese, mercury, nickel, selenium, tin and zinc using inductively coupled plasma-mass spectrometry (ICP-MS).

The samples were purchased from various locations and retailers in the UK during 2013-2014 and included manufactured baby foods, desserts, rusks, drinks and infant formula. The 50 non-infant specific category comprised foodstuffs that are often consumed by infants, but are not specifically manufactured for them; such as fruit, vegetables, baked beans and bread.

Contents	Page
Abbreviations	4
1. Introduction	5
2. Methodology	6
2.1 Sample preparation	6
2.2 Multi-element analysis	6
2.3 Iodine analysis	7
2.4 Inorganic arsenic analysis	7
3. Quality procedures	8
3.1 LoD and LoQ	8
3.2 Instrument stability	8
3.3 Spike recovery	8
3.4 Reference material data	8
3.5 Replicate agreement	9
4. Results	9
5. References	9
Table 1. ICP-MS operating conditions	10
Table 2. QA/QC data obtained during the study	11
Table 3. LoDs/LoQs and measurement uncertainty	12
Table 4a. Element concentrations in ready to feed (liquid) infant formula	13
Table 4b. Element concentrations in powdered (dry) infant formula	13
Table 5. Element concentration in infant foods	14
Table 6. Element concentrations in non-infant specific foods	20
Table 7. FAPAS proficiency testing results obtained by Fera	22
Table 8. Sample details: infant food and infant formula	23
Table 9. Sample details: non-infant specific foods	33

Abbreviations

ICP-MS	inductively coupled plasma-mass spectrometry
LoD	limit of detection
LoQ	limit of quantitation
QA	quality assurance
QC	quality control
UKAS	United Kingdom Accreditation Service

1. Introduction

Metals and other elements can be present in foods naturally or as a result of human activities, such as farming practices and industrial processes. Some of these elements are essential nutrients which we need to get from our diet, whilst others can be harmful to health. Infant foods (formula, weaning foods, drinks, etc.) are marketed for consumption by a particularly sensitive group of the population and many new products and formulations frequently appear on the shelves. The concentration of metals and other elements in infant foods has been monitored on several previous occasions, with the most recent study^[1] being reported in 2006. The Committee on Toxicity of Chemicals in Food, Consumer Products and the Environment (COT) concluded that the levels found did not give concern for the health of infants. However, the combination of a rapidly changing market and a sensitive target population means that there is a need to update existing information on the composition of these products.

In the current survey, a representative market share of infant formula and weaning foods (247 samples) were purchased from different locations and retailers in the UK. In addition, 50 foods that are not specifically manufactured or intended for infants, but are often consumed by infants (so called 'non-infant specific foods'), such as bread and bananas, were also analysed for the same elements as the rest of the survey samples. The foods selected by the FSA were based on those that make the largest contribution to the infant diet, as recorded in the Diet and Nutrition Survey of Infants and Young Children (DNSIYC) along with the Department of Health recommended first foods, next foods and foods from 8-9 months and 12 months.

All survey samples were analysed 'as sold' for Al, Sb, total As, inorganic As (in those samples found to contain ≥ 10 $\mu\text{g}/\text{kg}$ total arsenic), Cd, Cr, Cu, I, Fe, Pb, Mn, Hg, Ni, Se, Sn and Zn using ICP-MS.

2. Methodology

2.1 Sample preparation

Samples were collected by Hall Mark Meat Hygiene Ltd, Gloucestershire from various retailers and locations in the UK and sent to Fera for analysis. Abridged versions of these sample details, together with associated Fera LIMS codes, are shown in Table 8 and Table 9.

Upon receipt, samples were assigned a unique LIMS code and homogenised using a Buchi B-400 mixer (where appropriate). Once homogenised, all sub-samples were stored at -20°C until analysis. 10 units of the non-infant specific foods were received for each of the 50 product types and these were combined to produce a single composite sample per product type. Fruit and vegetables within this category were washed with deionised water and any inedible parts discarded (e.g. stalks, seeds etc.) prior to homogenisation.

2.2 Multi-element analysis

All analytical methods used in the survey were UKAS-accredited (ISO17025). To minimize background contribution, deionized (18.2 MΩ cm) water, analytical grade reagents and acid cleaned plasticware were used throughout.

An aliquot (0.5 g dry material or up to 3 g fresh material) of each sample was weighed into a test tube and concentrated nitric/hydrochloric acid mixture added to each tube (5 mL, 4:1 ratio). The sample was then solubilised under high temperature and pressure using a single reaction chamber microwave digester system (Ultrawave, Milestone). The digest solutions were cooled, transferred into polystyrene test tubes and made up to 10 mL with deionised water.

Each digest solution was diluted 5-fold with dilute nitric acid (1 %v/v) containing rhodium as an internal standard. The solutions were measured on an Agilent 7700x ICP-MS. Calibration standards were prepared using the same acid composition from commercially available element standard solutions to give an appropriate concentration range. ICP-MS operating conditions are shown in Table 1.

2.3 Iodine analysis

An aliquot (0.5 g dry material or up to 3 g fresh material) of each sample was weighed into a test tube. Deionised water was added to dry samples and fresh samples had proportional amounts of water added to adjust all volumes to approximately 3 mL. An aliquot of tetramethylammonium hydroxide (TMAH) solution (50 %v/v, 2 mL) was added and the contents vortex mixed. The tubes were heated at 80 °C, in a heater block, for 4 hours to leach iodine from the sample matrix. When cool, the digests were made up to 10 mL with deionised water.

Starch-containing samples (e.g. rice or potato based weaning foods) were pre-treated with enzymes prior to digestion. An aliquot (2 mL) of enzyme solution containing pancreatin (1.5 %w/v) and alpha-amylase (0.05 %w/v) was added to each test tube and heated at 37 °C overnight.

Each digest solution was diluted 5 fold with dilute sodium hydroxide solution (0.1 %) containing antimony as the internal standard and centrifuged (3,000 rpm for 30 min) prior to analysis. The solutions were analysed using an Agilent 7500ce ICP-MS. Calibration standards were prepared using sodium hydroxide solution and potassium iodate to give an appropriate concentration range. ICP-MS operating conditions are shown in Table 1.

2.4 Inorganic arsenic analysis

The method used was based on that developed by Munoz et al.^[2] An aliquot (0.25 g) of each sample was weighed into centrifuge tubes. Concentrated hydrochloric acid (10 mL) was added to each sample, mixed and left to stand overnight. Hydrobromic acid (1 mL) and hydrazinium sulphate (0.5 mL) were then added to each tube and mixed prior to shaking/extraction with chloroform (5 mL). The solutions were centrifuged (10,000 rpm for 15 min) and the lower chloroform phase transferred to a new tube. This extraction procedure was repeated twice, collecting and combining the chloroform extracts each time. The chloroform extracts were centrifuged (10,000 rpm for 5 min) for a final time to allow any residual acid to be removed and then the extracts filtered (0.45 µm PTFE).

The arsenic was back-extracted by adding dilute hydrochloric acid (4.8 mL, 1 M) to each tube, shaking, then centrifuging (10,000 rpm for 15 min) and transferring the acid layer to a 10 mL volumetric flask. This process was repeated, the second

extract added to the first, and the volume made up to mark with dilute hydrochloric acid (1 M).

Seven calibration standards were prepared in dilute hydrochloric acid (1 M) from a commercially available, NIST traceable, arsenic stock solution (1000 mg/L). The calibration covered a range from 100 ng/L to 100 µg/L. Rhodium was added to all solutions as internal standard prior to measurement using an Agilent 7700x ICP-MS.

3. Quality Procedures

A 10 % audit (in duplicate) was performed within the study. Each analytical batch contained a minimum of 3 procedural blanks, a spiked sample (for recovery estimate purposes) and reference materials (certified and/or in-house). UKAS-accredited QA/QC criteria are summarised below.

3.1 LoD and LoQ

The LoD was defined as three times the standard deviation of the signal from reagent blanks (taken through the entire analytical procedure) when subsequently corrected for sample weight and dilution. The LoQ was defined as ten times the standard deviation of the signal from reagent blanks (taken through the entire analytical procedure) when subsequently corrected for sample weight and dilution.

3.2 Instrument stability

Analyses included re-measurement of a calibration standard at regular intervals during the analytical run. To pass this check, the results for the re-measured standard had to be within ± 20 % of the initial value.

3.3 Spike recovery

Data were accepted if the recovery of spike for each analyte was within 80 to 120 %. Spike quantities for each element were as follows: Al, Fe, Zn ; Mn, Cu, As (total), Sn, at 40 µg; Cr, Ni, Se, Cd, Sb, Pb, I at 1 µg; As (inorganic), Hg at 0.1 µg.

3.4 Reference material data

Accepted results had to be within the certified range, or 25 % of the quoted value, whichever was greater. Where indicative values were shown on certificates, measured concentrations had to be within a factor of 2 of the quoted value. Data

were accepted if results for the majority of reference materials passed the criteria above.

3.5 Replicate agreement

Replicate values for a given sample had to have a relative standard deviation $\leq 20\%$ or a standard deviation of $\leq \text{LoQ}$, whichever was greater.

4. Results

Table 2 shows the QA/QC data obtained during this study and Table 3 presents the LoDs/LoQs and estimated measurement uncertainty. LoDs/LoQs vary depending on the weight of sample taken for analysis.

The results of the survey are reported in Tables 4, 5 and 6 (element concentrations in infant formula, infant foods and non-infant specific foods respectively). All reported data satisfied the QA/QC criteria described in section 3 of this report. Element concentrations that are above the LoD but below the LoQ are pre-fixed with '~' to indicate that they are semi-quantitative results. 82 of the samples were found to contain total As levels at or above $10 \mu\text{g}/\text{kg}$ (the typical LoD achieved by Fera for inorganic As determinations) and so were selected to be analysed for inorganic arsenic (the most toxic form of arsenic).

Table 7 shows z-scores from Fera's participation in FAPAS proficiency testing during the study.

5. References

1. Food Standards Agency (2006) FSIS 17/06 Survey of metals in weaning foods and formulae for infants. FSIS 17/06
2. Munoz O., Velez D., and Montoro R., 1999 Optimization of the solubilization, extraction and determination of inorganic arsenic [As(iii) + As(v)] in seafood products by acid digestion, solvent extraction and hydride generation atomic absorption spectrometry. *Analyst*, 124, 601-607

Table 1. ICP-MS operating conditions

Parameter	Agilent 7700x	Agilent 7500ce
ICP Power (W)	1550	1550
Nebuliser gas flow rate (L/min)	1.05	1.00
Plasma mode	General purpose	General purpose
Tuning*	Autotune	Manual
Nebuliser type	Glass Concentric	Glass Concentric
Interface cones	Nickel	Nickel
Spray chamber temp (°C)	2	2
Peri-pump speed (rpm)	0.1	0.06
MS Acquisition setting		
Scan mode	Peak hopping	Peak hopping
<u>Cell mode</u>		
No-gas	²⁷ Al, ¹¹¹ Cd, ¹²⁰ Sn, ¹²¹ Sb, ²⁰² Hg, ²⁰⁸ Pb.	¹²⁷ I
Helium	²⁷ Al, ⁵² Cr, ⁵⁵ Mn, ⁵⁶ Fe, ⁶⁰ Ni, ⁶³ Cu, ⁶⁶ Zn, ⁷⁵ As	
'High Energy' Helium	⁷⁸ Se	
Internal standards	¹⁰³ Rh, ¹¹⁵ In	¹²¹ Sb

* Optimised to meet criteria relating to the levels of oxide (< 3 %) and double charged species (< 1.5 %) present in the plasma.

Table 2. QA/QC data obtained during the survey ($\mu\text{g}/\text{kg}$)

	Ref	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
Rec (%)		99	97	97	100	98	94	96	98	98	99	106	113	99	99	96	85
Cert. value	CE278K Mussel tissue	-	730 ± 220	4880 ± 240	161000 ± 8000	690 ± 150	5980 ± 270	71000 ± 4000	6700 ± 400	1620 ± 120	336 ± 25	-	-	71 ± 7	2180 ± 180		
Our value		129000	740	4850	164000	670	5980	74100	7020	1620	350	~24	~6	69	2180		
Cert. value	NIST 1549 Milk powder	~2000	2.6 ± 0.7	260 ± 60	1780 ± 100	-	700 ± 100	46100 ± 2200	~1.9	110 ± 10	0.5 ± 0.2	-	~0.27	0.3 ± 0.2	19 ± 3	3380 ± 20	
Our value		~300	<20	250	2080	<40	590	48000	~3	110	<1	<16	<5	<1	16	3260	
Cert. value	NIST1548 Typical diet	72400 ± 1520	-	5750 ± 170	35300 ± 3770	369 ± 23	2320 ± 160	24600 ± 1790	200 ± 10	245 ± 28	35 ± 2	17200 ± 2570	~9	~5	44 ± 9		
Our value		73100	600	5740	39500	350	2440	23900	190	220	35	14574	~8	~3	51		
Cert. value	NIST 8437 Wheat flour	2100 ± 600	26 ± 12	-	31000 ± 6000	~200	2010 ± 490	10600 ± 1400	-	560 ± 40	~20	-	-	~4	-		
Our value		2000	<20	4090	28800	~60	1800	10000	~5	490	23	<16	<5	~1	6		
Cert. value	NIST 1846 Infant formula	-	-	~400	63100 ± 4000	-	5040 ± 270	60000 ± 3200	-	~80	-	-	-	-	-		
Our value		3200	100	330	63300	~120	4970	62300	~5	78	~2	<16	~8	~1	9		
Cert. value	ZC7301 Spinach															360 ± 120	
Our value																320	
Assigned	IMEP-107 Rice flour																107 ± 14
Our value																	89
Assigned	BCR 627 Tuna fish muscle																~81
Our value																	78

Our value is the mean result of all the individual analyses conducted in the survey. 'iAs' = inorganic As

BCR 627 and IMEP-107 were used as in-house reference materials for inorganic As. The assigned values were based on either previous data (BCR 627) or consensus values obtained by expert laboratories (IMEP-107).

Table 3. LoDs/LoQs ($\mu\text{g}/\text{kg}$) for the various sample weights taken and measurement uncertainty (MU)

LoD	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
0.25g																6
0.5g	100	20	20	300	40	20	160	1	2	1	16	5	1	2	10	
1.0g	50	10	10	150	20	10	80	0.5	1	0.5	8	2.5	0.5	1	5	
2.0g	25	5	5	75	10	5	40	0.3	0.5	0.3	4	1.3	0.3	0.5	2.5	
3.0g	17	3	3	50	7	3	27	0.2	0.3	0.2	3	0.8	0.2	0.3	2	

LoQ	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
0.25g																20
0.5g	333	67	67	1000	133	67	533	3.3	6.7	3.3	53	17	3.3	6.7	33	
1.0g	167	33	33	500	67	33	267	1.7	3.3	1.7	27	8.3	1.7	3.3	17	
2.0g	83	17	17	250	33	17	133	1.0	1.7	1.0	13	4.3	1.0	1.7	8.3	
3.0g	57	10	10	167	23	10	90	0.7	1.0	0.67	10	2.7	0.67	1.0	6.7	

MU*	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
	14%	26%	13%	24%	20%	10%	10%	17%	11%	18%	8%	7%	16%	14%	11%	13%

*Measurement uncertainty was estimated from Fera's FAPAS proficiency testing results, and calculated using a coverage factor of 2 (a confidence interval of approximately 95 %).

Table 4a. Element concentrations in ready to feed (liquid) infant formula (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-057165	1397496	Aptamil Growing Up milk. Ready to feed	70	~4	146	12100	<7	604	9220	0.8	23.4	~0.5	<3	<0.8	<0.2	~1	211	
S13-057170	1397561	Aptamil with Pronutra+ Growing Up milk. Ready to use	60	~4	68	10000	<7	339	8370	~0.6	12.8	~0.4	<3	<0.8	<0.2	~0.9	233	
S13-057355	1397574	Aptamil Hungry milk (2). Ready to feed	~30	<3	78	6020	<7	442	7380	~0.2	19.7	<0.2	<3	<0.8	<0.2	~0.5	160	
S13-057657	1397545	Aptamil First milk. Ready to feed (1)	<17	<3	42	3940	~14	387	4670	<0.2	14.6	<0.2	<3	<0.8	<0.2	~0.3	110	
S13-058819	1397388	Aptamil Follow On milk. Ready to feed 3	~30	<3	59	8130	<7	386	4810	~0.5	15.8	<0.2	<3	<0.8	<0.2	~0.7	127	
S13-059431	1397694	Cow & Gate First Infant milk. Ready to feed (1)	<17	<3	46	4260	~16	373	4650	<0.2	15.1	<0.2	<3	<0.8	<0.2	<0.3	113	
S13-057354	1397572	Cow & Gate Follow On milk. Ready to feed (3)	<17	<3	92	10300	<7	363	6100	<0.2	17.2	<0.2	<3	<0.8	<0.2	~0.6	128	
S13-058751	1397552	Cow & Gate Growing Up milk. Ready to feed (2)	60	~3	137	11500	<7	656	9550	0.7	28.1	~0.3	<3	<0.8	<0.2	~1	170	
S13-058810	1397376	Cow & Gate Growing Up milk. Ready to feed 1-2 years	~20	<3	54	8890	<7	344	7790	1.3	13.7	<0.2	<3	<0.8	<0.2	~0.3	111	
S13-059385	1397359	Cow & Gate Infant baby milk for hungrier babies	<17	<3	49	4340	<7	316	4990	~0.3	19.3	<0.2	<3	<0.8	<0.2	~0.4	167	
S13-057654	1397330	Hipp Organic Combiotic First Infant milk (1). Ready to feed	80	~4	88	4050	<7	343	6590	~0.5	14.3	<0.2	<3	<0.8	<0.2	<0.3	110	
S13-058817	1397407	Hipp Organic Combiotic Follow On milk. Ready to feed (3)	60	<3	63	8330	<7	293	5830	~0.5	13.2	<0.2	<3	<0.8	<0.2	~0.5	101	
S13-058740	1397416	Hipp Organic Hungry Infant milk	60	<3	75	4900	<7	318	5430	~0.3	12.9	<0.2	<3	<0.8	<0.2	~0.4	192	
S13-059388	1397362	Hipp Organic Combiotic Growing Up milk	<17	<3	65	10600	<7	288	5500	~0.3	12.8	<0.2	<3	<0.8	<0.2	<0.3	103	
S13-061738	1397335	SMA Toddler milk drink from carton. Ready to feed	~20	<3	73	11400	~16	412	8800	~0.5	16.9	<0.2	<3	<0.8	<0.2	~0.3	112	
S13-057356	1397632	SMA Follow On milk (2). Ready to feed	<17	<3	71	8380	<7	272	5690	~0.4	19.9	<0.2	<3	<0.8	<0.2	<0.3	104	
S13-057365	1397482	SMA Extra Hungry Infant milk. Ready to use	~30	~3	73	7170	~8	429	7690	~0.3	29.6	<0.2	<3	<0.8	<0.2	<0.3	188	
S13-059421	1397345	SMA First Infant milk. Ready to drink	<17	<3	52	6410	<7	398	6390	~0.3	20.8	<0.2	<3	<0.8	<0.2	~0.4	100	

Table 4b. Element concentrations in powdered (dry) infant formula (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-057158	1397459	Aptamil Comfort for bottle-fed babies	800	~50	560	40600	<40	2920	36100	~2	310	~1	<16	<5	<1	~4	750	
S13-057182	1397531	Aptamil Anti-reflux.	800	~50	2530	49400	<40	3070	47200	~2	98	6	<16	<5	<1	~4	970	
S13-057364	1397481	Aptamil Hungry milk (2)	~200	~20	620	37200	~50	2770	35100	~2	94	4	<16	<5	<1	~2	620	
S13-059374	1397350	Aptamil First milk (1)	~300	<20	460	33900	<40	2630	35400	~2	73	4	<16	<5	<1	~2	790	
S13-058757	1397548	Aptamil Growing Up milk (powder)	800	~60	4240	88100	<40	3950	101000	6	58	5	<16	43	<1	~4	1380	
S13-057161	1397458	Cow & Gate Growing Up milk (semi-skimmed)	500	70	1750	93900	~40	4670	78200	7	218	4	<16	50	<1	~4	1360	
S13-057169	1397544	Cow & Gate Growing Up milk (powder)	500	~30	620	76800	<40	2920	60400	~3	60	5	<16	~6	<1	~3	800	
S13-057184	1397533	Cow & Gate Comfort	800	~60	560	37100	<40	2970	39300	~2	57	~2	<16	<5	<1	~4	730	
S13-057192	1398065	Cow & Gate Anti-reflux milk	~200	<20	2470	45900	<40	2930	46900	~3	134	6	<16	<5	<1	~3	960	
S13-059380	1397390	Cow & Gate Infant milk for hungrier babies (2)	~300	~20	640	41300	<40	3030	35900	~2	87	4	<16	<5	<1	<2	690	
S13-059375	1397349	Cow & Gate First Infant milk (1) from new-born	600	<20	480	33300	<40	2480	36100	4	62	5	<16	<5	<1	~2	760	
S13-059395	1398060	Cow & Gate Follow On milk (3)	400	~30	500	66700	<40	2670	36300	~2	66	4	<16	<5	<1	~2	890	
S13-059394	1398059	Cow & Gate Infasoy	2700	~40	2340	63000	200	2970	36100	9	136	15	<16	~7	<1	~4	830	

Table 4b. Element concentrations in powdered (dry) infant formula continued (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-057194	1398084	Hipp Organic Good night milk Follow On milk + cereals	1000	~30	2470	47500	<40	3740	49400	14	79	8	~40	<5	<1	~3	1030	~7
S13-059365	1397490	Hipp Organic Combiotic Hungry infant milk (2)	1000	~40	730	50500	<40	3510	34100	~2	118	4	<16	<5	<1	~4	1070	
S13-058750	1397564	Hipp Organic Combiotic Growing Up milk (4)	600	~60	590	82600	<40	2750	51300	~2	116	5	<16	<5	<1	~3	1090	
S13-058756	1397565	Hipp Organic Combiotic Follow On milk (3)	600	~30	790	69700	<40	3220	43000	~3	100	4	<16	<5	<1	~4	950	
S13-059423	1397347	Hipp Organic First Infant milk	400	~20	670	39600	140	3260	43400	~3	118	6	<16	<5	<1	~4	660	
S13-059422	1397346	Millupa Aptamil Follow On milk	~200	~20	480	62000	<40	2640	33400	~2	65	4	<16	<5	<1	<2	660	
S13-059396	1398061	Millupa Aptamil Growing Up milk	800	~40	650	81900	<40	2640	62800	4	60	~3	<16	21	<1	~3	900	
S13-059432	1397690	Nannycare Goat milk Nutrition	900	~20	780	64800	<40	4130	45900	5	117	~2	~30	<5	<1	7	960	
S13-058813	1397379	Nannycare Goat milk based Growing up milk	1000	70	820	79000	~50	4310	48100	12	156	~2	~40	<5	<1	~6	950	~9
S13-060114	1397511	SMA Staydown for babies with significant reflux	900	~40	670	55500	<40	3020	52200	~3	170	<1	~50	<5	<1	~3	1770	
S13-057171	1397615	SMA Toddler milk (powder)	700	~30	460	94500	<40	4470	66700	4	183	~1	~40	<5	<1	~5	1810	
S13-057193	1398073	SMA Comfort easy to digest infant milk	700	110	690	62100	<40	3010	53000	4	153	~2	~40	<5	<1	~6	780	
S13-058822	1397391	SMA Follow On milk (2)	600	<20	690	91500	<40	2890	65300	5	140	~1	~40	<5	<1	~5	1150	
S13-058758	1398088	SMA Extra Hungry Infant milk (1) from birth	500	<20	540	50600	<40	3200	55500	4	163	~1	~40	<5	<1	7	1740	
S13-058739	1397417	SMA First Infant milk formula (1) (powder)	600	120	600	52500	<40	2880	47600	~2	138	~1	~50	<5	<1	~6	1250	
S13-059447	1397507	SMA WYSOY Soya Infant formula from birth	2400	70	3230	67500	200	2840	55900	4	158	6	~30	<5	<1	~6	880	

Table 5. Element concentrations in infant foods (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-060168	34217	Annabel Karmel Cheese+Onion+Rice+Corn Snacks	2300	220	12200	6800	160	1990	16200	168	213	13	<16	<5	~3	8	~20	85
S13-059428	1397691	Annabel Karmel Disney Carrot +Sweetcorn Rice + Corn Snacks	4900	390	13300	8000	270	2190	13500	146	183	19	<16	<5	~3	11	<10	49
S13-058754	1397626	Aptamil Creamed Banana Porridge	~300	120	3130	53400	~100	1520	20400	46	62	10	<16	<5	<1	~4	760	21
S13-059379	1397393	Boots Baby organic banana and sultana cereal bars	10900	~50	20800	28000	490	3460	15700	17	18	15	<16	~5	<1	13	<10	~14
S13-059390	1398052	Boots Baby Organic Salmon with Root Vegetables	820	40	560	3000	~30	540	2620	128	30	8.6	<8	<2.5	6	5	19	<6
S13-057159	1397457	Cow & Gate 100% fruit; Apple Strawberry & banana	650	630	920	3600	310	410	540	~1.2	~1	<0.5	~26	<2.5	<0.5	~1	<5	
S13-058771	1397623	Cow & Gate Apple & Cookie Crumble	2140	~20	710	1600	<20	570	760	17.2	7	~0.7	271	<2.5	<0.5	6	<5	~7
S13-058766	1397607	Cow & Gate Apple & Pear 100% Fruit	730	~20	340	800	~30	550	370	<0.5	<1	<0.5	<8	<2.5	<0.5	~1	<5	
S13-058815	1397375	Cow & Gate Apple and Banana Swirl	1030	~20	1020	1400	~30	350	1390	21.5	9	<0.5	211	<2.5	<0.5	8	61	~11
S13-059392	1398058	Cow & Gate Apple orange & banana 100% fruit	460	~30	1020	1400	~30	570	530	2.4	~3	<0.5	<8	<2.5	<0.5	<1	~10	
S13-059397	1397361	Cow & Gate Apricot Apple and Banana Yogurt	410	~13	411	860	~20	234	2490	6.2	11.2	<0.3	123	<1.3	<0.3	~1	158	
S13-059376	1397386	Cow & Gate Autumn orchard chicken	970	~20	880	2300	~30	430	3070	10.8	12	9.8	79	<2.5	<0.5	8	<5	<6
S13-057191	1398077	Cow & Gate Baby cauliflower cheese	270	~10	937	1240	~10	254	6170	27.4	21	1.8	199	<1.3	<0.3	~1.6	70	<6
S13-059377	1397389	Cow & Gate Baby fruit cocktail	380	60	1030	1300	70	510	750	7.5	~2	<0.5	159	<2.5	<0.5	<1	<5	
S13-059442	F605010	Cow & Gate Banana and Strawberry porridge	1100	240	10200	98000	280	1490	46800	137	26	16	<16	<5	~2	~6	~10	76

Table 5. Element concentrations in infant foods continued ($\mu\text{g}/\text{kg}$ as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-058743	1397436	Cow & Gate Banana Custard	180	~6	534	430	<10	160	2070	15	8.1	<0.3	237	<1.3	<0.3	~0.7	48	<6
S13-057189	1398072	Cow & Gate Banana delight	260	<10	430	~400	<20	130	2360	7.4	9	<0.5	85	<2.5	<0.5	<1	62	
S13-058821	1397387	Cow & Gate Banana peach and strawberry 100% fruit	340	70	2520	2800	~60	820	1420	2.8	8	<0.5	<8	<2.5	<0.5	~2	<5	
S13-059414	1397644	Cow & Gate Beef Casserole	3250	~30	820	5600	~50	680	7580	3.6	18	11.6	78	<2.5	~1.2	13	24	
S13-059415	1397645	Cow & Gate Beef Stroganoff	2230	~20	660	5100	~30	680	7850	3.2	30	11.1	150	<2.5	<0.5	9	~15	
S13-058763	1397498	Cow & Gate Carrot Potato and lamb hotpot	1080	~30	610	4700	70	550	5100	2.2	8	20.8	229	<2.5	<0.5	11	<5	
S13-059371	1397351	Cow & Gate Cheese pasta with tomatoes and vegetables	1150	40	1190	3300	~60	670	6310	~1.5	17	10.8	89	<2.5	<0.5	7	36	
S13-057357	1397628	Cow & Gate Cheesy vegetable lasagne	1510	~20	920	3000	~60	670	3830	~1.3	12	8.4	138	<2.5	<0.5	~3	39	
S13-060144	1397614	Cow & Gate Chicken pasta with tomato and mushrooms	1230	350	970	4600	180	700	2000	1.9	15	10.8	<8	<2.5	<0.5	~2	<5	
S13-060133	1397594	Cow & Gate Chicken Sunday lunch	1860	~30	920	3800	~60	460	2520	~1.5	18	16	70	<2.5	<0.5	6	<5	
S13-057185	1398071	Cow & Gate Chicken& tasty veg pot	2280	~20	820	3800	~50	510	2580	1.7	11	11.6	140	<2.5	<0.5	7	~14	
S13-059433	1397492	Cow & Gate Country vegetables and beef casserole	1590	60	1140	5600	80	680	5060	13.5	12	12.4	<8	<2.5	<0.5	4	~12	<6
S13-058737	1397437	Cow & Gate Creamed carrot and potato	170	~30	840	1900	~20	390	1720	13.3	4	22.2	231	<2.5	<0.5	13	<5	~6
S13-059420	1397340	Cow & Gate Creamed Cottage Pie	570	~10	1040	6200	220	670	8280	3.2	14	3.5	259	<2.5	<0.5	~2	~8	
S13-059408	1398057	Cow & Gate Creamy Cauliflower Cheese	320	<10	630	1200	<20	180	5480	8	19	2.3	74	<2.5	<0.5	~2	67	
S13-057164	1397465	Cow & Gate Creamy Cod & Veg	1160	60	870	2900	~60	450	2000	103	22	16.7	89	<2.5	4.6	4	51	<6
S13-063495	1397746	Cow & Gate creamy cottage pie	1180	50	880	5100	~60	630	5190	~1.1	8	11	<8	<2.5	<0.5	~2	~16	
S13-059409	1398056	Cow & Gate Creamy Mushroom & Chicken with Noodles	740	~20	980	2600	~40	560	2570	~1.5	22	5.3	63	<2.5	<0.5	4	~10	
S13-058811	1397408	Cow & Gate Creamy Parsnip and Potato	1140	40	1990	2800	80	500	2290	5.8	5	16.6	249	<2.5	<0.5	7	~10	
S13-057367	1397484	Cow & Gate Fruit cocktail	520	40	980	1300	~40	540	880	10.6	4	<0.5	64	<2.5	<0.5	~1	<5	<6
S13-060129	1397596	Cow & Gate Fruit cocktail & baby rice	920	~20	1100	1500	~40	520	790	9.8	~2	<0.5	<8	<2.5	<0.5	~2	<5	~7
S13-059398	1397358	Cow & Gate Fruit Mix 100% fruit with Vitamin C	370	100	550	1500	70	530	600	~0.8	~1	<0.5	36	<2.5	<0.5	~1	<5	
S13-059436	1397617	Cow & Gate Fruity Crumble	1570	~20	1120	1800	<20	580	800	4.2	7	~0.7	86	<2.5	<0.5	4	<5	
S13-057366	1397483	Cow & Gate Grandpa's Sunday lunch	820	40	880	4500	70	590	4040	1.7	14	12.6	236	<2.5	<0.5	12	~12	
S13-060206	1398172	Cow & Gate Juicy fruit crumble	560	40	670	1400	~30	500	710	1.8	~3	~0.8	186	<2.5	<0.5	~2	<5	
S13-058774	1397327	Cow & Gate Little steamed meals pasta with tomato spinach & cheese	1350	300	870	3300	170	600	3550	4.1	12	10.3	<8	<2.5	<0.5	4	46	
S13-063494	1397745	Cow & Gate macaroni with beef & sweet vegetables	460	40	690	3100	~40	440	3980	~1.6	10	14.2	<8	<2.5	<0.5	~2	~9	
S13-058764	1397499	Cow & Gate Mango Surprise	450	70	840	1500	~60	560	410	~0.8	~2	<0.5	132	<2.5	<0.5	~1	<5	
S13-060145	1397619	Cow & Gate Mangoes bananas apples & baby rice	370	~30	1250	1600	~30	660	900	5.2	4	~1.2	<8	<2.5	~0.9	~1	~5	
S13-060130	1397747	Cow & Gate Mediterranean beef stew	520	~30	1120	3900	~40	510	6340	1.7	12	17.6	57	<2.5	<0.5	6	<5	
S13-057655	1397500	Cow & Gate Mediterranean Vegetable Risotto with Chicken	1270	~20	1600	2900	~60	550	2760	34.5	20	5	146	<2.5	<0.5	~2	<5	~10
S13-059441	F605001	Cow & Gate Multigrain Banana Porridge	6000	190	30000	118000	710	4940	60200	38	30	28	<16	<5	<1	~5	~20	26
S13-059373	1397354	Cow & Gate My first banana muesli	2900	150	25000	115000	610	4180	66600	13	41	20	<16	<5	<1	~3	<10	~10
S13-059368	1397348	Cow & Gate My first Bolognese	1390	40	1560	7900	400	940	7980	2.1	16	22.1	194	<2.5	<0.5	8	~6	
S13-057162	1397463	Cow & Gate Pear & pineapple 100% fruit with vitamin C	440	~10	3200	1200	~40	620	720	2.8	<1	~1	<8	<2.5	<0.5	<1	~10	
S13-057173	1397520	Cow & Gate Pumpkin & carrot with chicken	570	<10	760	2300	~20	360	2880	1.7	13	14.2	237	<2.5	<0.5	5	~16	

Table 5. Element concentrations in infant foods continued (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-059384	1397383	Cow & Gate Pure Baby Rice	~300	<20	9490	2200	~100	1880	10500	186	32	~3	<16	<5	~2	<2	<10	92
S13-057168	1397503	Cow & Gate Scrummy Spaghetti Bolognese	1670	~20	760	3900	~30	530	5470	~1.4	14	4.8	101	<2.5	<0.5	~3	~8	
S13-058772	1397549	Cow & Gate Scrummy Tuna Penne	1420	~30	830	3400	~40	610	2590	136	98	6.2	37	<2.5	13.6	6	~13	<6
S13-057181	1397529	Cow & Gate Shepherd's pie	170	~10	660	4000	~60	530	5430	1.9	10	14.1	113	<2.5	<0.5	9	<5	
S13-058768	1397610	Cow & Gate Spaghetti Bolognese	2480	70	900	4700	70	760	4610	6.1	12	8.8	<8	<2.5	<0.5	4	~7	
S13-059426	1397515	Cow & Gate Sunday lunch with carrot parsnip & chicken	1010	210	960	4300	140	710	3100	4.6	14	15.2	<8	<2.5	<0.5	~3	<5	
S13-057156	1397460	Cow & Gate Sunny Start my first muesli	4500	~50	26900	99900	2280	3410	62700	13	29	32	<16	<5	<1	7	<10	~6
S13-058747	1397568	Cow & Gate Sweet potato bake	1130	~30	2360	7100	590	990	3660	10.3	5	3.8	146	<2.5	<0.5	4	<5	<6
S13-060111	1397508	Cow & Gate Tasty cottage pie	880	~20	850	4600	~60	400	5110	~1.3	11	14.8	142	<2.5	<0.5	5	~6	
S13-060116	1397424	Cow & Gate Yummy Harvest Chicken	900	~10	560	2500	~30	540	2460	2.2	13	25.4	146	<2.5	<0.5	11	<5	
S13-057167	1397495	Ella's Kitchen Apple +Bananas	570	50	1580	2200	~40	920	1160	2.8	8	~0.6	31	<2.5	~0.5	~2	<5	
S13-059417	1397405	Ella's Kitchen Banana Baby Brekkie	260	~30	3170	2100	~50	700	4110	27.9	14	~1.6	~23	<2.5	<0.5	<1	174	~10
S13-057175	1397522	Ella's Kitchen Bananas + raisings nibbly fingers	5300	~30	17700	16600	280	2980	13500	19	24	7	<16	<5	<1	~4	~10	~10
S13-060119	1397430	Ella's Kitchen Bananas blueberries + baby rice pouch.	1400	240	5760	3900	180	1070	2230	18.1	12	2.1	~15	<2.5	<0.5	~3	<5	~6
S13-060215	34180	Ella's Kitchen Bananas munchy biccies	9800	80	13500	24200	240	2800	14400	7	64	14	<16	<5	<1	20	40	
S13-057172	1397620	Ella's Kitchen Broccoli Pears + Peas super smooth	3900	60	780	4100	300	1310	1930	~1.6	~2	4.4	~21	<2.5	<0.5	~3	<5	
S13-058773	34139	Ella's Kitchen Cheese+tomato puffits small + melty	4600	~40	2990	8800	140	1380	9500	26	76	7	<16	<5	<1	~5	40	~16
S13-060203	1398148	Ella's Kitchen Four bean Feast with flavour	6430	40	1950	11000	130	1180	3600	3.2	8	12.8	37	<2.5	<0.5	4	~7	
S13-058745	1397588	Ella's Kitchen mangoes mangoes mangoes	1460	40	540	1900	~40	1050	900	1.9	16	~0.5	33	<2.5	<0.5	<1	<5	
S13-059372	1397438	Ella's Kitchen Mangoes pears + papayas	850	~20	430	1500	~60	1220	940	2.5	~3	1.9	~16	<2.5	<0.5	~2	<5	
S13-059399	1397357	Ella's Kitchen Moussaka with Creamy Sauce	1540	~30	1350	3700	150	740	3650	2.5	10	6.3	<8	<2.5	<0.5	4	35	
S13-057174	1397521	Ella's Kitchen Peaches + bananas	460	80	2370	2300	120	1000	1680	~1.2	6	~0.7	~22	<2.5	<0.5	~1	<5	
S13-057188	1398074	Ella's Kitchen Pears pears pears	560	~20	420	1200	70	1440	910	2.7	~1	2.2	31	<2.5	<0.5	~2	<5	
S13-057363	1397571	Ella's Kitchen Plums pears parsnips + swedes	1250	120	650	2000	90	820	1110	~1.6	~1	6	~22	<2.5	<0.5	4	~13	
S13-058744	1397589	Ella's Kitchen Punchy pork roast dinner with apples	2270	280	820	4600	150	430	3480	2.5	14	6	39	<2.5	<0.5	7	~5	
S13-060118	1397429	Ella's Kitchen really yummy rice pudding with mangoes + apples	1030	~20	700	900	~20	510	3270	12.5	17	<0.5	~26	<2.5	<0.5	~1	21	~6
S13-057372	1397489	Ella's Kitchen Squashed squishy Fishy Cakes with parsley sauce	1960	50	1120	3600	~60	430	3350	166	31	7.6	34	<2.5	7.2	12	40	<6
S13-058765	1397624	Ella's Kitchen Strawberries & Apple Nibbly Fingers	7900	~60	16400	16600	340	3030	14100	22	20	8	~30	<5	<1	26	<10	~16
S13-057371	1397488	Ella's Kitchen Sweet potatoes broccoli + carrots	3420	60	1170	4400	100	1080	2050	6.5	~3	4.3	33	<2.5	<0.5	5	32	
S13-059452	1397370	Ella's Kitchen Vroom Vroom Veggie Lasagne with Sprinkle of Cheese	3910	~30	1220	5800	90	710	3250	5	10	11.9	41	<2.5	~0.7	8	26	
S13-060211	1398166	Heinz Baby juice with spring water apple & blackcurrant	350	~7	374	540	~12	35	120	1.7	<0.3	<0.2	<3	~1.8	<0.2	2	~5	
S13-060124	1397686	Heinz Baby pasta stars	2100	100	6650	109000	~70	1150	5200	~3	23	35	<16	<5	<1	~3	<10	
S13-059413	1397344	Heinz Breakfast Oat & Apple Cereal.	1200	90	9660	81900	560	1280	53600	7	46	17	<16	<5	<1	~4	170	
S13-058753	1397627	Heinz Butternut Squash Carrot & Apple	310	~20	450	9800	~20	410	1480	1.7	~3	5.9	42	<2.5	<0.5	~3	32	
S13-058741	1397434	Heinz Cheesy Pasta with ham	1020	~30	500	10500	~30	380	4070	~1.4	14	3	<8	<2.5	~0.6	~1	~16	

Table 5. Element concentrations in infant foods continued (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-060128	1397592	Heinz Cheesy vegetable pasta	1100	80	4010	82700	~70	1580	58400	77	85	22	<16	<5	<1	8	430	45
S13-060131	1397597	Heinz Creamed Porridge	<50	<10	1880	11000	100	190	3610	~0.5	12	~1.6	~16	<2.5	<0.5	~1	62	
S13-058760	1397501/2	Heinz Dinners Cauliflower and Broccoli Cheese	1400	80	4110	70900	~110	1330	56400	96	60	14	<16	<5	<1	~5	350	60
S13-059443	1397555	Heinz Farley's biscuits	3600	~30	4140	91700	<40	820	4400	18	15	8	<16	<5	<1	8	<10	~15
S13-057186	1398066	Heinz Farley's Rusks reduced sugar	4600	~50	5930	97700	~50	1160	6700	4	28	12	<16	<5	<1	11	<10	
S13-060125	1397684	Heinz Farley's Rusks Wholemeal	3800	~50	9590	91900	~70	1840	13100	4	30	18	<16	<5	<1	~5	<10	
S13-058755	1397566	Heinz Fruit & Yogurt Cereal	1800	100	2540	59900	~60	600	50400	28	51	11	<16	<5	<1	~6	270	~19
S13-059387	1397360	Heinz Fruit Smoothness	1590	14	315	1310	36	736	350	3.8	~0.7	~0.6	<3	<0.8	<0.2	3.7	<2	
S13-059427	1397516	Heinz Fruity apple & pear custard	720	~20	300	1100	90	890	1680	~1.4	5	~1.6	<8	<2.5	<0.5	~1	41	
S13-060148	1397605	Heinz Fruity banana and oat pudding	1170	~20	1780	2900	70	560	1260	4.2	4	<0.5	<8	<2.5	<0.5	~3	~7	
S13-059444	1398162	Heinz Fruity Yoghurt Pear	1160	~10	300	1100	~50	820	1410	4.5	5	~0.8	<8	<2.5	<0.5	4	61	
S13-058812	1397380	Heinz Golden Vegetable and Chicken	1000	70	3640	73700	~70	1620	72300	62	70	25	<16	<5	<1	~6	380	31
S13-057163	1397464	Heinz dinners Mediterranean Vegetable & Rice	2000	120	3600	77100	~130	1570	52400	75	92	19	<16	<5	~1	7	220	45
S13-058762	1397598	Heinz Vegetable Hotpot with Chicken	390	120	440	8800	100	430	2620	2.4	14	2.1	<8	<2.5	<0.5	~3	18	
S13-060164	1398051	Heinz Lamb with winter vegetables	500	40	290	14700	~30	440	3150	~1.2	9	~1.6	<8	<2.5	<0.5	~1	~16	
S13-059382	1397356	Heinz Little Kidz Pasta Bolognese	4470	~40	1290	15100	70	830	6950	3.5	18	18.9	<8	<2.5	<0.5	4	~12	
S13-057179	1397527	Heinz Mashed Sunday Chicken Dinner	2580	~30	770	11500	80	570	3960	5.4	15	7.6	27	<2.5	<0.5	~3	~14	
S13-059406	34215	Heinz Mini Farley's Rusks Original	6100	100	7460	92400	<40	1150	6300	4	26	14	~20	<5	<1	8	~10	
S13-060117	1397431	Heinz Mum's Own Caribbean Pork Casserole	1220	50	700	10900	~50	440	3630	2.9	14	2.4	<8	<2.5	<0.5	~3	~11	
S13-057178	1397526	Heinz Mum's own recipe casserole with apple pork	2270	70	1110	9800	~60	480	5210	3.6	13	9	<8	<2.5	~0.6	6	<5	
S13-060204	1398169	Heinz Mum's Own Recipe Chocolate & Banana Pudding	1740	90	1100	7100	180	770	3380	5.2	6	2.2	91	<2.5	<0.5	~2	62	
S13-057368	1397485	Heinz Mum's own recipe Creamed Porridge	~100	<10	2360	7500	110	250	3970	3.6	8	2.4	<8	<2.5	<0.5	<1	81	
S13-060149	1397611	Heinz Mum's own recipe Fruity Chicken Casserole	1270	~30	520	8800	~40	440	2430	3.8	15	3.4	<8	<2.5	<0.5	4	~14	
S13-059366	1397491	Heinz Mum's own recipe Fruity Chicken with Rice	780	~20	640	11800	~40	350	2100	9.2	10	2	<8	<2.5	<0.5	5	~12	
S13-059437	1397556	Heinz Mum's Own Recipe Lamb with winter vegetables	1230	~20	350	11400	<20	380	3150	2.6	8	~1.5	<8	<2.5	<0.5	10	~11	
S13-060207	1398168	Heinz Mum's own recipe mango banana & peach	1960	60	1100	1700	~60	740	730	~0.6	~1	<0.5	<8	<2.5	<0.5	~2	<5	
S13-059455	1398147	Heinz Mum's own recipe Mediterranean veggies chicken & sweet potato	1000	40	730	15000	~50	570	2460	1.7	12	3.4	<8	<2.5	<0.5	~2	~12	
S13-057359	1397634	Heinz Mum's own recipe pasta Bolognese	1320	60	640	13700	80	700	4250	~1.6	11	4.8	<8	<2.5	<0.5	~2	~10	
S13-057360	1397553	Heinz Mum's own recipe pumpkin & lamb stew	1190	40	390	13800	~60	490	3380	~1.3	10	3.2	<8	<2.5	<0.5	~1	~13	
S13-060205	1398170	Heinz Mum's own recipe Shepherd's pie	710	80	430	12000	90	550	4780	~1	7	4.5	<8	<2.5	<0.5	~2	17	
S13-057190	1398078	Heinz Mum's own recipe spaghetti Bolognese	1030	~20	1190	12900	80	890	6280	2.4	22	7.8	<8	<2.5	<0.5	~2	<5	
S13-059430	1397693	Heinz Mum's own recipe Sunday Chicken Dinner	740	80	560	11700	120	520	3340	2.4	13	7.7	<8	<2.5	<0.5	5	~15	
S13-057656	1397504	Heinz Mum's Own Recipe Sweet Potato and Carrot	~120	~10	980	8500	~30	680	2120	1.9	5	~1.4	<8	<2.5	<0.5	<1	34	
S13-058775	1397926	Heinz Mum's own recipe Sunday Chicken Dinner	560	40	980	12600	90	510	3750	2.4	14	12.5	<8	<2.5	<0.5	4	~11	
S13-058761	1397559/60	Heinz Oat and Banana Cereal Breakfast	900	140	11600	79800	300	1860	70300	6	70	23	<16	<5	<1	~6	320	
S13-059425	1397514	Heinz Smooth Apple & Mango	1940	~30	360	1900	<20	800	310	2.3	<1	<0.5	27	<2.5	<0.5	~2	<5	

Table 5. Element concentrations in infant foods continued (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-059407	34216	Heinz Smooth Baby Rice	700	~60	5660	62600	~60	1640	54200	175	24	14	<16	<5	~1	~3	<10	97
S13-059434	1397604	Heinz Smooth Mango Banana & Lime	2400	~30	560	2500	~20	660	610	1.7	~1	<0.5	~22	<2.5	<0.5	~2	<5	
S13-058820	1397385	Heinz Smooth strawberry raspberry and banana	1700	~20	1030	1800	~40	860	430	2.9	<1	~1	<8	<2.5	<0.5	~3	<5	
S13-057157	1397461	Heinz Smooth Veggie chicken casserole	1570	~20	470	9400	~20	350	2720	2.7	12	8.3	38	<2.5	<0.5	~3	~12	
S13-059418	1397341	Heinz Sunday Chicken Dinner	500	~20	480	10600	~50	460	3050	2.4	15	5.6	<8	<2.5	<0.5	~2	~11	
S13-060122	1397687	Heinz Sweet Potato & Beef Pie	360	60	580	10900	~60	610	4680	~1.6	12	3.2	<8	<2.5	<0.5	~2	~10	
S13-059450	1397369	Heinz Sweet potato and Tender Chicken	380	~30	710	10200	~30	450	2170	~1.7	9	2.3	<8	<2.5	<0.5	~1	~14	
S13-059416	1397342	Hipp Organic Apple & Cranberry Breakfast	600	~20	1220	1300	~30	550	1230	9.2	~2	4.6	151	<2.5	<0.5	~3	<5	
S13-059393	1398053	Hipp Organic Apple Juice with Mineral Water	290	~7	111	410	<7	20	100	1.4	<0.3	~0.2	<3	<0.8	<0.2	2.3	~5	
S13-057658	1397599	Hipp Organic Apples and Baby rice	930	~20	620	800	~20	440	810	13.2	~3	<0.5	<8	<2.5	<0.5	~2	<5	<6
S13-060210	1398167	Hipp Organic Baby Rice	~200	<20	9180	1400	180	1390	14000	132	16	23	<16	<5	~2	<2	<10	86
S13-060132	1397591	Hipp Organic Banana & Peach Dessert	1510	~30	1650	3500	~50	710	1490	6.8	~3	1.8	261	<2.5	<0.5	~2	<5	
S13-059369	1397419	Hipp Organic Banana & rice pudding	510	~10	1690	2400	~50	580	1470	11.8	~3	~1	99	<2.5	<0.5	~3	<5	<6
S13-057369	1397486	Hipp Organic Banana Custard	~130	<10	370	280	<20	130	3010	5.6	8	~1.5	31	<2.5	<0.5	~2	58	
S13-060112	1397509	Hipp Organic Banana Pear & Mango 100% Fruit Pouch	450	40	1670	1900	~60	1080	1350	~0.8	~3	~1	<8	<2.5	<0.5	~2	339	
S13-060147	1397616	Hipp Organic Breakfast layer Strawberry Cereal with yogurt	2370	~10	1720	3200	70	390	3040	2.2	9	~1.5	76	<2.5	<0.5	7	18	
S13-057176	1397524	Hipp Organic Carrots cauliflower & peas. Smooth & mild	2030	160	970	4600	200	570	1870	3.4	4	4.7	36	<2.5	<0.5	4	<5	
S13-059438	1398177	Hipp Organic Cheesy Pasta Bake	1150	40	940	1900	~40	410	3940	9.6	12	4.7	102	<2.5	<0.5	~3	27	<6
S13-059453	1397371	Hipp Organic Chunky Vegetable and Beef Casserole	510	~30	850	3800	~40	360	6000	9.8	13	6.3	36	<2.5	<0.5	5	40	~6
S13-058814	1397406	Hipp Organic Creamed Porridge Breakfast	~90	<10	2450	1800	120	250	3410	~1.3	7	1.7	98	<2.5	<0.5	~2	~16	
S13-059449	1397374	Hipp Organic Creamy Porridge	~200	~20	9930	40600	640	1440	26500	13	300	11	<16	<5	<1	~3	660	~9
S13-057187	1398081	Hipp Organic Creamy porridge breakfast	~90	<10	2390	2000	120	220	3390	~0.9	7	1.7	100	<2.5	<0.5	~2	23	
S13-057659	1397601	Hipp Organic Creamy spinach potatoes and cheddar cheese	3440	70	1480	3400	~40	580	4180	14.5	11	10.2	33	<2.5	~0.5	5	43	<6
S13-057361	1397576	Hipp Organic Creamy Tomato & Leek Pasta	1000	70	1100	2100	~30	570	4590	11	17	4.5	~17	<2.5	<0.5	~3	53	<6
S13-058809	1397368	Hipp Organic Creamy Vegetable Lasagne	3390	~20	1350	3400	~40	920	3840	9.1	20	14.1	<8	<2.5	<0.5	4	17	
S13-057370	1397487	Hipp Organic Garden Vegetable Risotto with Flaky White Fish	1880	~30	860	2400	~50	640	1970	170	24	11.1	<8	<2.5	~1.6	4	121	<6
S13-059391	1398054	Hipp Organic Hearty Cottage Pie	1430	~30	900	4800	70	800	6060	10.7	14	8.9	60	<2.5	<0.5	~2	~5	~7
S13-060146	1397613	Hipp Organic Hearty vegetable and beef casserole	1020	~30	870	4800	~30	620	6160	8.2	9	13.5	<8	<2.5	<0.5	5	23	
S13-059451	1397372	Hipp Organic Just Fruit Apple and Pear	1570	40	300	1300	~30	820	~260	~1.2	<1	<0.5	<8	<2.5	<0.5	~3	~10	
S13-059457	34146	Hipp Organic Little Nibbles apple rice cakes	3200	~30	9930	7500	280	1630	13400	133	19	15	<16	<5	~2	20	<10	74
S13-058759	1397600/2/3	Hipp Organic Little Nibbles organic Apple and Blueberry Rice cakes	3900	~20	12200	7100	300	2190	11200	141	19	12	<16	<5	~3	20	<10	100
S13-058824	1397396	Hipp Organic Mango and banana Melba	250	<10	1110	1000	~20	490	1080	11.7	12	2.5	~16	<2.5	<0.5	~1	<5	~8
S13-058823	1397392	Hipp Organic Mango apple and peach 100% fruit pouch	1540	60	660	1900	80	790	560	~1.6	~3	<0.5	<8	<2.5	<0.5	~2	<5	

Table 5. Element concentrations in infant foods continued (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-059429	1397692	Hipp Organic Mineral Water with a Splash of Apple Juice	720	~8	169	1320	~8	16	90	2.5	<0.3	<0.2	17	<0.8	<0.2	3.7	~5	
S13-060121	1397685	Hipp Organic Mini Pots Apple & Pear with yogurt	1230	~10	300	1200	~20	790	790	3.2	~3	<0.5	<8	<2.5	<0.5	~3	25	
S13-060166	1397472	Hipp Organic My first Sunday Dinner	~150	~30	730	3300	~60	550	3640	3.5	18	11.8	74	<2.5	<0.5	5	~9	
S13-059445	1398152	Hipp Organic Paella with mixed vegetables & chicken	1510	40	1140	3500	100	530	3200	12.7	21	5	<8	<2.5	<0.5	4	52	~7
S13-057177	1397525	Hipp Organic Parsnip Potato & Turkey Casserole	230	~30	840	2700	~60	680	4060	8.5	15	7	76	<2.5	<0.5	~3	~6	
S13-060120	1397425	Hipp Organic Pasta and pork with tomato and herbs	2480	~30	1140	4300	~50	750	4500	2.1	18	7.2	~21	<2.5	<0.5	~3	~10	
S13-060165	1397466	Hipp Organic Pasta carbonara	360	~30	1040	2900	~20	620	5630	8.7	28	4.3	32	<2.5	<0.5	~3	61	
S13-057362	1397633	Hipp Organic Pasta with Tomatoes & Mozzarella	3280	~30	1070	3500	~60	630	4310	5.5	14	8.8	~25	<2.5	<0.5	5	56	
S13-057160	1397462	Hipp Organic Peaches & baby rice	730	~20	590	900	70	590	1290	9.6	4	~0.7	<8	<2.5	<0.5	~1	<5	<6
S13-058770	1397547	Hipp Organic Plum & Pear Pudding	470	60	670	1100	90	810	970	4.3	~2	1.7	92	<2.5	<0.5	~2	<5	
S13-060123	1397689	Hipp Organic Ratatouille with Potatoes & Beef	1850	~30	910	4500	~50	660	5030	5.7	7	9.7	<8	<2.5	<0.5	4	43	
S13-059440	1397557	Hipp Organic Ravioli with Bolognese sauce	1570	~30	1350	3800	80	880	4770	7.4	12	13.4	<8	<2.5	<0.5	4	46	
S13-058769	1397608	Hipp Organic Red Fruit & Apple Compote	1850	40	1560	1800	~50	630	980	12.6	~2	3.2	58	<2.5	<0.5	10	<5	~8
S13-059419	1397339	Hipp Organic Rigatoni Napoli	3650	40	1300	4300	80	820	3160	9	9	12.4	44	<2.5	<0.5	5	59	
S13-059378	1397394	Hipp Organic Scrumptious tomato bean and beef hotpot	3000	40	1690	7600	130	960	8580	15.2	31	5.1	30	<2.5	<0.5	~3	~10	~8
S13-058746	1397643	Hipp Organic Shell Pasta with Juicy Tomatoes & Courgettes	3040	~30	1320	3800	~50	760	3220	10.2	12	9.4	<8	<2.5	<0.5	~3	120	~7
S13-058816	1397367	Hipp Organic Spaghetti Bolognese	2510	50	1110	5100	~50	810	4860	2.6	12	9.8	~24	<2.5	<0.5	4	59	
S13-059367	1397352	Hipp Organic Spaghetti Bolognese	2470	50	1000	5000	~50	770	4320	2.1	13	10.2	75	<2.5	<0.5	7	~6	
S13-058748	1397570	Hipp Organic Strawberry & Raspberry Yogurt	1470	~20	880	2000	~20	240	2170	6.2	6	<0.5	76	<2.5	<0.5	4	~14	
S13-059439	1397618	Hipp Organic Sweet parsnip and potato puree	2790	~10	1110	3000	~40	730	2180	12.8	~3	7.6	231	<2.5	~1.2	6	<5	<6
S13-060115	1397420	Hipp Organic Tasty Vegetable Risotto	1680	~20	780	1800	~40	430	3320	13.5	11	7	119	<2.5	<0.5	~3	45	<6
S13-058767	1397567	Hipp Organic Vegetable & Chicken Risotto	970	~20	1280	3500	~60	620	3810	16.7	20	8.9	43	<2.5	<0.5	4	~16	~9
S13-059389	1398047	Hipp Organic Vegetable & Chicken Risotto	1620	~30	1080	2600	~50	600	3010	15.8	16	5.2	89	<2.5	<0.5	5	~11	~8
S13-058749	1397551	Hipp Organic Vegetables with Rice & Chicken	1150	~30	860	3100	80	460	2800	11.8	15	5.2	56	<2.5	<0.5	~3	~12	<6
S13-058742	1397433	Hipp Organic Wholesome Vegetables and Chicken Risotto	730	~30	1020	3100	70	410	3060	10.3	14	3.4	<8	<2.5	<0.5	~2	30	<6
S13-059410	1398055	Hipp Organic William Christ Pears	290	~20	600	1000	~60	940	1220	8.2	~2	1.9	142	<2.5	<0.5	~3	<5	
S13-059400	1397382	Kiddylicious Apple Crisp	500	~40	2460	3800	~70	1210	900	22	~2	~1	~20	<5	<1	~6	<10	20
S13-060209	34157	Kiddylicious Banana Bites	<100	~30	68300	9200	590	3370	5000	~1	11	~3	<16	<5	<1	<2	<10	
S13-060113	1397510	Nestlé Cerelac® 3 Cereals with milk	2000	250	9000	83300	360	1630	30700	15	52	12	70	<5	<1	7	<10	~10
S13-060127	1397593	Organix Finger Foods Organic Carrot & Tomato Rice Cakes	2100	100	22300	9000	440	2760	15500	398	19	29	<16	<5	5	~3	~20	256
S13-060216	34102	Organix Finger Foods Vanilla Multigrain Hearts	17300	120	32800	25300	680	3730	22700	164	61	141	<16	<5	~3	18	~20	92
S13-057358	1397575	Organix Organic Apple & Blueberry	1690	50	2600	1300	~30	610	~210	~1	<1	<0.5	<8	<2.5	<0.5	4	<5	
S13-059383	1397381	Organix Organic Apple Rice Cake	3800	170	28900	10200	460	1940	15300	197	25	33	<16	<5	~2	7	<10	145
S13-060110	34101	Organix Organic Four Grain Cereal	1400	90	13500	16600	290	3140	18200	165	76	17	<16	<5	<1	~3	<10	111

Table 5. Element concentrations in infant foods continued (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-060150	F605011	Organix Organic raspberry and blueberry rice cakes	5400	190	39200	10200	480	1980	17300	243	28	39	<16	<5	~2	17	<10	177
S13-059456	1397409	Organix Organic seven grain cereal	700	~30	26100	22300	960	3450	25000	30	50	26	<16	<5	<1	~4	<10	25
S13-059448	1397373	Organix Organic Strawberry Rice Cakes	3700	130	22400	10000	690	2430	14900	229	14	76	<16	<5	~3	17	<10	149
S13-060126	1397688	Organix Organic Wholegrain Banana & Raisin Oat Porridge	2600	~60	33700	27900	1560	4020	26000	21	29	30	<16	<5	<1	~4	<10	~15
S13-060214	1398171	Organix Organic Wholegrain Banana Porridge with vit B1	2700	130	14400	13800	210	2870	13700	207	63	~3	<16	<5	<1	~4	<10	142
S13-060208	1398165	Plum Baby Banana & apricot oat porridge	650	~30	2370	4200	100	880	4000	3.1	14	3.7	32	<2.5	<0.5	~2	101	
S13-059435	1397558	Plum Baby Banana and strawberry puree	900	40	1980	2700	~60	750	1480	2.2	6	1.7	~14	<2.5	~0.5	~1	<5	
S13-057180	1397528	Plum Baby Bean & beef stew meal	3640	40	2450	8000	330	930	6730	4.3	7	12.4	54	<2.5	<0.5	5	~6	
S13-059370	1397353	Plum Baby Minted peas with lamb	8100	160	1940	9600	120	640	4610	4.6	6	5.4	~21	<2.5	<0.5	8	~11	
S13-059454	1397384	Plum Baby Plum sweet potato and lamb hotpot	1280	40	1320	5500	~40	610	5260	4.2	9	6.7	41	<2.5	<0.5	~3	~5	
S13-058738	1397432	Plum Baby Prune peach and baby rice breakfast	2390	60	2130	4400	80	930	2990	23.6	6	3.6	~17	<2.5	<0.5	~3	<5	~14

Table 6. Element concentrations in non-infant specific foods (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-058044	34166	Apple Juice	600	~7	377	900	~9	92	110	1.8	<0.3	~0.2	<3	<0.8	<0.2	2.6	<2	
S13-057295	34186	Apples	<25	<5	320	680	<10	302	330	~0.5	<0.5	<0.3	<4	<1.3	<0.3	<0.5	<2.5	
S13-057285	34187	Avocado	~70	<5	3430	4860	280	2650	6090	5.1	2.3	32.8	<4	~1	~0.7	2	<2.5	
S13-060090	34144	Baked Beans	1430	~30	3620	15600	430	1930	5260	3.2	26	3.3	40900	<2.5	<0.5	~3	<5	
S13-057325	34174	Bananas	~80	<5	14500	2980	40	1190	2040	~0.4	4.2	<0.3	<4	<1.3	<0.3	<0.5	<2.5	
S13-057867	34162	Blueberries	2300	<5	6980	3080	~30	537	850	5.1	~1	1.3	<4	<1.3	<0.3	3.6	<2.5	
S13-058048	34147	Bottled waters (still and carbonated)	~50	<3	<3	<50	<7	<3	<27	0.8	~0.6	<0.2	<3	<0.8	<0.2	<0.3	~4	
S13-059364	34133	Bread (white)	5200	~20	6230	17200	<40	1310	9100	5	53	22	<16	<5	<1	7	~10	
S13-057195	34182	Broccoli	1520	<5	2180	7930	80	748	5570	1.4	11.1	8.7	<4	<1.3	<0.3	~1.3	<2.5	
S13-057235	34189	Butternut squash	~60	<5	684	1750	140	846	1760	~0.7	5	1.5	<4	<1.3	<0.3	~0.5	<2.5	
S13-060109	34108	Canned spaghetti in tomato sauce	1370	~20	1140	4500	~40	600	1680	~1.4	7	5.7	45700	<2.5	<0.5	~2	<5	
S13-060108	34109	Canned tomatoes	2540	70	990	13200	~60	790	940	~1.4	4	13	20700	<2.5	<0.5	15	<5	
S13-057275	34188	Carrots	280	<5	1420	2100	~30	332	1930	1.4	~1.5	17.5	<4	<1.3	~0.4	25.7	<2.5	
S13-060104	34169	Chapattis	3500	~60	12200	20600	~100	1830	11200	6	35	23	<16	<5	~1	~5	70	
S13-057865	34168	Cheddar Cheese	400	<20	390	1400	<40	370	35000	~2	115	<1	<16	<5	<1	7	500	
S13-057944	34137	Chicken	<50	<10	90	2900	<20	270	5960	3.8	83	~0.5	<8	<2.5	<0.5	<1	28	
S13-057205	34172	Clementines & tangerines	~50	<5	581	1310	40	463	710	~0.4	2.5	<0.3	<4	<1.3	<0.3	<0.5	<2.5	
S13-057245	34183	Cucumber	<25	<5	1520	1860	<10	218	1140	<0.3	~0.6	~0.3	<4	<1.3	<0.3	<0.5	<2.5	
S13-059411	34142	Custard (ready to serve)	~50	<5	23	460	<10	39	2890	~0.5	12.3	<0.3	32	<1.3	<0.3	<0.5	149	
S13-059412	34163	Eggs	<50	<10	360	22700	<20	560	12800	4.6	245	<0.5	<8	<2.5	~1	<1	469	

Table 6. Element concentrations in non-infant specific foods (µg/kg as received)

Fera LIMS code	Sample No.	Description	Al	Cr	Mn	Fe	Ni	Cu	Zn	As	Se	Cd	Sn	Sb	Hg	Pb	I	iAs
S13-057947	34135	Fish Fingers	1170	50	2040	5300	~40	560	4540	2200	118	7.2	<8	<2.5	13	~2	631	<6
S13-058047	34145	Flavoured carbonated bottled waters	~30	<3	18	<50	<7	~5	<27	1.9	<0.3	<0.2	<3	<0.8	<0.2	<0.3	~4	
S13-057870	34136	Fromage frais	~100	<10	340	500	<20	140	4380	~0.5	24	<0.5	<8	<2.5	<0.5	<1	120	
S13-057948	34148	Frozen Peas	2460	~16	2990	15200	340	1420	7210	2.5	6.8	1.9	<4	<1.3	<0.3	3.6	21	
S13-058046	34110	Fruit Juice Ready Drinks	240	<3	115	220	<7	22	~30	~0.4	<0.3	<0.2	<3	<0.8	<0.2	~0.6	~2	
S13-057305	34171	Grapes	780	<5	811	1940	<10	1060	340	1.4	~0.7	<0.3	<4	<1.3	~0.3	~1.6	~6	
S13-060089	34107	Lentils	13800	80	11100	61800	1850	7830	34000	7	335	5	230	<5	<1	~6	<10	
S13-057335	34173	Melon	~50	<5	380	2000	~20	346	840	~0.3	2.2	~0.9	<4	<1.3	<0.3	~0.9	<2.5	
S13-060106	34106	Noodles	6000	150	7230	16100	~110	1610	8500	8	80	25	<16	<5	<1	8	50	
S13-057255	34181	Onions	160	<5	1480	2860	~30	547	1700	2.7	4.5	7.8	<4	<1.3	<0.3	~1.4	<2.5	
S13-058045	34164	Orange Juice	140	~6	347	820	~12	334	320	~0.6	~0.3	<0.2	<3	<0.8	<0.2	<0.3	8	
S13-057868	34170	Oranges	~80	<5	381	1040	~20	404	540	~0.8	~1.3	<0.3	<4	<1.3	<0.3	<0.5	<2.5	
S13-057225	34175	Parsnips	320	<5	4020	4140	150	766	3380	3.7	4	41	<4	<1.3	~0.5	21.6	~4	
S13-060092	34165	Pasta	2800	250	7020	13400	150	2670	11200	8	94	24	<16	<5	<1	~2	<10	
S13-057345	34184	Peaches	100	<5	431	830	40	616	2570	1.1	~0.5	~0.4	<4	<1.3	<0.3	<0.5	<2.5	
S13-057315	34185	Pears	~60	<5	367	810	100	658	910	1.9	~0.6	3.5	<4	<1.3	<0.3	<0.5	<2.5	
S13-057946	34134	Pork sausages	1920	50	1650	8500	~50	690	10900	3.4	61	4	<8	~3	<0.5	~3	~11	
S13-057265	34177	Potatoes	90	<5	1400	3160	~30	769	2450	~0.4	3.1	21.2	<4	<1.3	<0.3	~0.6	<2.5	
S13-060091	34105	Rice	700	~60	5340	5200	260	2000	8300	142	42	20	<16	<5	~2	8	<10	68
S13-060105	34104	Rice cakes	8100	110	27900	13300	280	2330	18100	229	30	68	60	<5	~2	13	70	155
S13-057863	34150	Semi Skimmed Milk	<17	<3	15	~80	<7	36	3080	~0.2	14.6	<0.2	<3	<0.8	<0.2	~0.5	291	
S13-057866	34161	Strawberries	100	<5	2640	2000	<10	206	890	1.7	<0.5	~0.4	<4	<1.3	<0.3	2.9	~7	
S13-057215	34176	Sweet potato	390	<5	2790	4140	60	1340	2530	4.7	2	5.1	<4	<1.3	<0.3	16.6	<2.5	
S13-060107	34103	Tinned Fish	920	~30	220	14600	<20	810	8420	1170	694	27.1	52	~5	124	~3	187	<6
S13-059424	34143	Wheat cereal biscuits	1300	100	21600	160000	~130	3350	19800	5	23	45	<16	<5	<1	~4	~10	
S13-057945	34138	White fish	~60	~20	70	1500	<20	240	4020	1820	248	~0.8	<8	~4	30.3	<1	726	~18
S13-057864	34149	Whole Milk	<17	<3	16	~100	<7	35	3030	<0.2	13.7	<0.2	<3	<0.8	<0.2	<0.3	250	
S13-059363	34132	Wholemeal Bread	4200	140	16600	25600	~100	2250	17800	6	50	32	<16	<5	<1	~4	<10	
S13-057871	34131	Yam	820	~7	304	3650	80	1680	3500	~0.7	2.9	42.1	<4	<1.3	~0.3	~0.7	<2.5	
S13-057869	34141	Yogurt	<50	<10	~30	<150	<20	70	5290	~0.8	22	<0.5	<8	<2.5	<0.5	<1	305	

Table 7. FAPAS proficiency testing results obtained by Fera during the last 12 months (z-scores).

Date	Matrix	FAPAS Round	Al	Cr	Mn	Fe	Cu	Zn	As	iAs	Se	Cd	Sn	Sb	Hg	Pb	I
Mar-13	Powdered rice	07187							0.2	-0.3		0.1					
Mar-13	Energy drink	1870			0.4						-0.6						
Apr-13	Vegetable puree	07188										0.1	-1.0			-0.1	
May-13	Milk powder	07190							-0.6			-0.1			-0.3	0.0	
Jun-13	Soft drink	07191		-0.2				-0.1	0.2	0.0		0.1		0.1			
Jun-13	Canned crab meat	07192							0.2	nv		0.5			0.1	0.0	
Jul-13	Tomato paste	07193				2.9 ^a						0.5	1.0			1.2	
Aug-13	Canned fish	07194							-0.5			0.3			0.1		
Sep-13	Infant Formula	07195	nv	-1.1							-0.3						-0.4
Oct-13	Edible oil	07198				-1.2	-0.1		0.1							0.0	
Dec-13	Milk Powder	07201							-0.5			-0.3			-0.7	-0.1	

'nv' no z-score issued to participants. 'iAs' inorganic arsenic

Interpretation of z-scores:

With a normal distribution, statistically approximately 95% of z-scores will be in the 'satisfactory' range of $-2 \leq z \leq 2$. Whilst z-scores outside this range are to be expected, (1 in 20), these are deemed 'questionable' and further investigation is required as part of our quality procedures.

^a Questionable Fe z-score, FAPAS 07193.

The QA/QC for this analytical batch passed our criteria for acceptance. CRM results were within $\pm 6\%$ of the certified value; the spiked blank recovery was 94%. FAPAS 07175 Tomato paste was also included as a reference material and the result from this was biased 14% higher than the FAPAS assigned value – still within our acceptance criteria, but indicating a higher bias on the tomato paste matrix. We have investigated a similar high bias when measuring Fe in a tomato paste matrix before (2011, 'FAPAS Series 07157') and as a consequence introduced spiking the sample matrix to assess recovery of analyte. On this particular occasion, only an acid blank was spiked. A lab note has since been issued to all relevant staff to ensure recovery is assessed using a spiked sample to evaluate any suppression/enhancement in signal due to the matrix.

Table 8. Sample details: Infant food and infant formula

Fera LIMS code	Sample No.	Purchase date (year/month/day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-060110	34101	2013	11	1	Organix	Organic Four Grain Cereal	From 4 months	Online Amazon	Cardboard/paperboard
S13-060216	34102	2013	11	12	Organix	Finger Foods, Vanilla Multigrain Hearts, Melt in the mouth	From 10 months	Boots	Aluminium foil/aluminium sheet
S13-058773	34139	2013	10	19	Ella's Kitchen	Cheese+tomato puffits small+melly	From 7 months	Boots	Combined material
S13-059457	34146	2013	11	4	Hipp Organic	Little Nibbles apple rice cakes	From 7 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-060209	34157	2013	11	10	Kiddylicious	Kiddylicious Banana Bites	From 12 months	Online Ocado	Aluminium foil/aluminium sheet
S13-060215	34180	2013	11	11	Ella's Kitchen	Bananas munchy biccies	From 12 months	Online Amazon	Plastic/plastic film
S13-059406	34215	2013	10	26	Heinz	Mini Farley's Rusks Original	From 7 months	Boots	Plastic/plastic film
S13-059407	34216	2013	10	26	Heinz	Smooth Baby Rice	From 4 months	Tesco	Cardboard/paperboard
S13-060168	34217	2013	11	9	Annabel Karmel	Cheese+Onion Rice+Corn Snacks	From 12 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-058747	1397568	2013	10	21	Cow & Gate	Sweet potato bake	From 4 months	Sainsbury's	Glass
S13-058774	1397327	2013	10	19	Cow & Gate	Little steamed meals pasta with tomato, spinach & cheese	From 10 months	Boots	Plastic/plastic film
S13-057654	1397330	2013	10	21	Hipp Organic	Combiotic First Infant Milk (1) Ready to Feed	From Birth	Online Ocado	Combined material
S13-061738	1397335	2013	11	21	SMA	Toddler Milk; Drink from carton straw included (ready to feed)	1-3 years	Tesco	Packed
S13-059419	1397339	2013	10	29	Hipp Organic	Rigatoni Napoli	From 10 months	Tesco	Glass
S13-059420	1397340	2013	10	29	Cow & Gate	Creamed Cottage Pie	From 4 months	Tesco	Glass
S13-059418	1397341	2013	10	30	Heinz	Sunday Chicken Dinner	From 7 months	Tesco	Glass
S13-059416	1397342	2013	10	29	Hipp Organic	Apple & Cranberry Breakfast	From 4 months	Sainsbury's	Glass
S13-059413	1397344	2013	10	29	Heinz	Breakfast Oat & Apple Cereal.	From 4 months	Sainsbury's	Cardboard/paperboard
S13-059421	1397345	2013	10	29	SMA	First Infant Milk (Ready to drink)	From Birth	Sainsbury's	Plastic/plastic film
S13-059422	1397346	2013	10	30	Millupa Aptamil	Follow On Milk	From 6 months	Sainsbury's	Cardboard/paperboard
S13-059423	1397347	2013	11	29	Hipp Organic	First Infant Milk	From birth	Sainsbury's	Combined material
S13-059368	1397348	2013	10	23	Cow & Gate	My first Bolognese	From 4 months	Superdrug	Glass
S13-059375	1397349	2013	10	23	Cow & Gate	First Infant milk (1) from newborn	From Birth	Superdrug	Cardboard/paperboard
S13-059374	1397350	2013	10	23	Aptamil	First milk (1)	From Birth	Superdrug	Cardboard/paperboard
S13-059371	1397351	2013	10	23	Cow & Gate	Cheese pasta with tomatoes and vegetables	From 7 months	Boots	Glass
S13-059367	1397352	2013	10	23	Hipp Organic	Spaghetti Bolognese	From 6 months	Boots	Glass

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month/day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-059370	1397353	2013	10	23	Plum Baby	Minted peas with lamb	From 7 months	Boots	Aluminium foil/aluminium sheet
S13-059373	1397354	2013	10	23	Cow & Gate	My first banana muesli	From 10 months	Morrisons	Combined material
S13-059382	1397356	2013	10	28	Heinz	Little Kidz Pasta Bolognese	18-24 months	Asda	Plastic/plastic film
S13-059399	1397357	2013	10	28	Ella's Kitchen	Moussaka with Creamy Sauce	From 12 months	Asda	Plastic/plastic film
S13-059398	1397358	2013	10	28	Cow & Gate	Fruit Mix 100% fruit with Vitamin C	From 4 months	Asda	Aluminium foil/aluminium sheet
S13-059385	1397359	2013	10	28	Cow & Gate	Infant baby milk for hungrier babies	From Birth	Asda	Combined paper and film packaging
S13-059387	1397360	2013	10	28	Heinz	Fruit Smoothness	From 7 months	Asda	Plastic/plastic film
S13-059397	1397361	2013	10	28	Cow & Gate	Apricot, Apple and Banana Yogurt	From 7 months	Asda	Glass
S13-059388	1397362	2013	10	28	Hipp Organic	Combiotic Growing up Milk	From 12 months	Asda	Plastic/plastic film
S13-058816	1397367	2013	10	22	Hipp Organic	Spaghetti Bolognese	From 10 months	Morrisons	Glass
S13-058809	1397368	2013	10	22	Hipp Organic	Creamy Vegetable Lasagne	From 9 months	Morrisons	Plastic/plastic film
S13-059450	1397369	2013	11	5	Heinz	Sweet potato and Tender Chicken	From 4 months	Asda	Glass
S13-059452	1397370	2013	11	5	Ella's Kitchen	Vroom Vroom Veggie Lasagne with Sprinkle of Cheese	From 7 months	Asda	Aluminium foil/aluminium sheet
S13-059453	1397371	2013	11	1	Hipp Organic	Chunky Vegetable and Beef Casserole	From 10 months	Tesco	Glass
S13-059451	1397372	2013	11	2	Hipp Organic	Just Fruit Apple and Pear	From 4 months	Tesco	Plastic/plastic film
S13-059448	1397373	2013	11	5	Organix	Organic Strawberry Rice Cakes	From 7 months	Asda	Aluminium foil/aluminium sheet
S13-059449	1397374	2013	11	5	Hipp Organic	Creamy Porridge	From 6 months	Asda	Combined material
S13-058815	1397375	2013	10	22	Cow & Gate	Apple and Banana Swirl	From 4 months	Boots	Glass
S13-058810	1397376	2013	10	22	Cow & Gate	Growing up Milk Ready to Feed 1-2 years	1-2 years	Boots	Plastic/plastic film
S13-058813	1397379	2013	10	22	Nannycare	Goat Milk based Growing up Milk	1-3 years	Waitrose	Metal
S13-058812	1397380	2013	10	22	Heinz	Golden Vegetable and Chicken	From 7 months	Boots	Combined material
S13-059383	1397381	2013	10	28	Organix	Organic Apple Rice Cake	From 7 months	Asda	Wrapped
S13-059400	1397382	2013	10	28	Kiddylicious	Apple Crisp	From 12 months	Asda	Wrapped
S13-059384	1397383	2013	10	28	Cow & Gate	Pure Baby Rice	From 4 months	Asda	Cardboard/paperboard
S13-059454	1397384	2013	11	5	Plum Baby	Plum sweet potato and lamb hotpot	From 7 months	Asda	Aluminium foil/aluminium sheet
S13-058820	1397385	2013	10	24	Heinz	Smooth strawberry raspberry and banana	4-36 months	Tesco	Aluminium foil/aluminium sheet
S13-059376	1397386	2013	10	24	Cow & Gate	Autumn orchard chicken	From 10 months	Tesco	Glass
S13-058821	1397387	2013	10	24	Cow & Gate	Banana peach and strawberry 100% fruit	From 4 months	Tesco	Combined material

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month/day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-058819	1397388	2013	10	24	Aptamil	Follow On milk ready to feed 3	From 6 months	Tesco	Combined material
S13-059377	1397389	2013	10	24	Cow & Gate	Baby fruit cocktail	From 4 months	Tesco	Glass
S13-059380	1397390	2013	10	24	Cow & Gate	Infant milk for hungrier babies (2) from newborn	From Birth	Tesco	Combined material
S13-058822	1397391	2013	10	24	SMA	Follow On milk (2)	From 6 months	Tesco	Metal
S13-058823	1397392	2013	10	24	Hipp Organic	Mango, apple and peach 100% fruit pouch	From 4 months	Tesco	Aluminium foil/aluminium sheet
S13-059379	1397393	2013	10	24	Boots	Baby organic banana and sultana cereal bars	From 12 months	Boots	Combined material
S13-059378	1397394	2013	10	24	Hipp Organic	Scrumptious tomato, bean and beef hotpot	From 10 months	Tesco	Glass
S13-058824	1397396	2013	10	24	Hipp Organic	Mango and banana Melba	From 4 months	Tesco	Glass
S13-059417	1397405	2014	1	11	Ella's Kitchen	Banana Baby Brekkie	From 6 months	Boots	Aluminium foil/aluminium sheet
S13-058814	1397406	2013	10	22	Hipp Organic	Creamed Porridge Breakfast	From 6 months	The Co-operative	Glass
S13-058817	1397407	2013	10	22	Hipp Organic	Combiotic Follow On Milk Ready to Feed (3)	From 6 months	Morrisons	Plastic/plastic film
S13-058811	1397408	2013	10	22	Cow & Gate	Creamy Parsnip and Potato	From 4 months	Morrisons	Glass
S13-059456	1397409	2013	11	5	Organix	Organic seven grain cereal	From 7 months	Asda	Combined material
S13-058740	1397416	2013	10	21	Hipp Organic	Hungry Infant Milk	From Birth	Asda	Combined material
S13-058739	1397417	2013	10	21	SMA	First Infant Milk formula (1) (powder)	From Birth	The Co-operative	Metal
S13-059369	1397419	2013	10	23	Hipp Organic	Banana & rice pudding	From 4 months	Morrisons	Glass
S13-060115	1397420	2013	11	6	Hipp Organic	Tasty Vegetable Risotto	From 4 months	Boots	Glass
S13-060116	1397424	2013	11	6	Cow & Gate	Yummy Harvest Chicken	From 7 months	Boots	Glass
S13-060120	1397425	2013	11	6	Hipp Organic	Pasta and pork with tomato and herbs	From 10 months	Asda	Glass
S13-060118	1397429	2013	11	6	Ella's Kitchen	really yummy rice pudding with mangoes + apples	From 7 months	Boots	Combined material
S13-060119	1397430	2013	11	6	Ella's Kitchen	Bananas blueberries + baby rice pouch.	From 4 months	Boots	Combined material
S13-060117	1397431	2013	11	6	Heinz	Mum's Own Caribbean Pork Casserole	From 4 months	Boots	Glass
S13-058738	1397432	2013	10	21	Plum Baby	Prune, peach and baby rice breakfast	Stage 1 up	Asda	Aluminium foil/aluminium sheet
S13-058742	1397433	2013	10	21	Hipp Organic	Wholesome Vegetables and Chicken Risotto	1-3 years	Asda	Combined material
S13-058741	1397434	2013	10	21	Heinz	Cheesy Pasta with ham	From 7 months	Asda	Glass
S13-058743	1397436	2013	10	21	Cow & Gate	Banana Custard	From 4 months	Asda	Glass

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month /day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-058737	1397437	2013	10	21	Cow & Gate	Creamed carrot and potato	From 4 months	Asda	Glass
S13-059372	1397438	2013	10	23	Ella's Kitchen	Mangoes pears + papayas	From 4 months	Morrisons	Aluminium foil/aluminium sheet
S13-057159	1397457	2013	10	14	Cow & Gate	100% fruit; Apple Strawberry & banana	From 4 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-057161	1397458	2013	10	14	Cow & Gate	Growing Up Milk. The Semi-skimmed version	2-3 Years	Waitrose	Combined material
S13-057158	1397459	2013	10	14	Aptamil	Aptamil Comfort for bottle-fed babies	From Birth	Waitrose	Combined material
S13-057156	1397460	2013	10	14	Cow & Gate	Sunny Start my first muesli	From 10 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-057157	1397461	2013	10	14	Heinz	Smooth Veggie chicken casserole	From 4 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-057160	1397462	2013	10	14	Hipp Organic	Peaches & baby rice	From 4 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-057162	1397463	2013	10	14	Cow & Gate	Pear & pineapple 100% fruit with vitamin C	From 4 months	Sainsbury's	Combined material
S13-057163	1397464	2013	10	14	Heinz	Heinz dinners Mediterranean Vegetable & Rice	From 4 months	Sainsbury's	Combined material
S13-057164	1397465	2013	10	14	Cow & Gate	Creamy Cod & Veg	From 10 months	Sainsbury's	Plastic/plastic film
S13-060165	1397466	2013	11	8	Hipp Organic	Pasta carbonara	From 10 months	Boots	Glass
S13-060166	1397472	2013	11	8	Hipp Organic	My first Sunday Dinner	From 4 months	Asda	Glass
S13-057364	1397481	2013	10	17	Aptamil	Hungry milk (2)	From Birth	Asda	Combined material
S13-057365	1397482	2013	10	17	SMA	Extra hungry infant milk , from birth , ready to use	From Birth	Asda	Plastic/plastic film
S13-057366	1397483	2013	10	17	Cow & Gate	Grandpa's Sunday lunch	From 4 months	Asda	Glass
S13-057367	1397484	2013	10	17	Cow & Gate	Fruit cocktail	From 7 months	Asda	Glass
S13-057368	1397485	2013	10	17	Heinz	Mum's own recipe, Creamed Porridge	From 4 months	Asda	Glass
S13-057369	1397486	2013	10	17	Hipp Organic	Banana Custard	From 4 months	Asda	Glass
S13-057370	1397487	2013	10	17	Hipp Organic	Garden Vegetable Risotto with Flaky White Fish	From 9 months	Asda	Plastic/plastic film
S13-057371	1397488	2013	10	17	Ella's Kitchen	Sweet potatoes broccoli + carrots	From 4 months	Asda	Aluminium foil/aluminium sheet
S13-057372	1397489	2013	10	17	Ella's Kitchen	Squashed squishy Fishy Cakes with parsley sauce	From 7 months	Asda	Aluminium foil/aluminium sheet

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month/day)	Brand	Description	Recommended age group	Retailer	Packaging
S13-059365	1397490	2013 10 23	Hipp Organic	Combiotic Hungry infant milk (2) ,	From Birth	Asda	Combined material
S13-059366	1397491	2013 10 23	Heinz	Mum's own recipe Fruity Chicken with Rice	From 10 months	Asda	Glass
S13-059433	1397492	2013 11 3	Cow & Gate	Country vegetables and beef casserole	From 10 months	Boots	Plastic/plastic film
S13-057167	1397495	2013 10 14	Ella's Kitchen	Apple +Bananas	From 4 months	Boots	Aluminium foil/aluminium sheet
S13-057165	1397496	2013 10 14	Aptamil	Growing-Up Milk Ready to feed	2-3 years	Boots	Cardboard/paperboard
S13-058763	1397498	2013 10 21	Cow & Gate	Carrot, Potato and lamb hotpot	From 4 months	Online Ocado	Glass
S13-058764	1397499	2013 10 21	Cow & Gate	Mango Surprise	From 4 months	Online Ocado	Glass
S13-057655	1397500	2013 10 21	Cow & Gate	Mediterranean Vegetable Risotto with Chicken	From 7 months	Online Ocado	Glass
S13-057168	1397503	2013 10 14	Cow & Gate	Scrummy Spaghetti Bolognese	From 7 months	Boots	Glass
S13-057656	1397504	2013 10 21	Heinz	Mum's Own Recipe Sweet Potato and Carrot	From 4 months	Online Ocado	Glass
S13-059447	1397507	2013 11 1	SMA	WYSOY, Soya Infant formula from birth	FROM BIRTH	Online Amazon	Metal
S13-060111	1397508	2013 11 5	Cow & Gate	Tasty cottage pie	From 7 months	Boots	Glass
S13-060112	1397509	2013 11 5	Hipp Organic	Banana, Pear & Mango 100% Fruit Pouch	From 4 months	Boots	Aluminium foil/aluminium sheet
S13-060113	1397510	2013 11 1	Nestlé CERELAC®	CERELAC® 3 Cereals with milk	From 8 months	Online Amazon	Metal
S13-060114	1397511	2013 11 1	SMA	Staydown for babies with significant reflux	From birth	Online Amazon	Metal
S13-059425	1397514	2013 11 1	Heinz	Smooth Apple & Mango	4-36 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-059426	1397515	2013 11 1	Cow & Gate	Sunday lunch with carrot, parsnip & chicken	From 10 months	Sainsbury's	Plastic/plastic film
S13-059427	1397516	2013 11 1	Heinz	Fruity apple & pear custard	From 7 months	Asda	Combined material
S13-057173	1397520	2013 10 16	Cow & Gate	Pumpkin & carrot with chicken	From 4 months	Tesco	Glass
S13-057174	1397521	2013 10 16	Ella's Kitchen	Peaches + bananas	From 4 months	Tesco	Aluminium foil/aluminium sheet
S13-057175	1397522	2013 10 16	Ella's Kitchen	Bananas + raisings nibbly fingers	From 12 months	Tesco	Combined material
S13-057176	1397524	2013 10 16	Hipp Organic	Carrots, cauliflower & peas. Smooth &mild for first tastes	From 4 months	Tesco	Aluminium foil/aluminium sheet

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month/day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-057177	1397525	2013	10	16	Hipp Organic	Parsnip, Potato & Turkey Casserole	From 7 months	Tesco	Glass
S13-057178	1397526	2013	10	16	Heinz	Mum's own recipe casserole with apple & pork	1-3 years	Tesco	Plastic/plastic film
S13-057179	1397527	2013	10	16	Heinz	Mashed Sunday Chicken Dinner	From 7 months	Boots	Aluminium foil/aluminium sheet
S13-057180	1397528	2013	10	16	Plum Baby	Bean & beef stew meal	From 7 months	Tesco	Aluminium foil/aluminium sheet
S13-057181	1397529	2013	10	16	Cow & Gate	Shepherd's pie	From 7 months	Tesco	Glass
S13-057182	1397531	2013	10	16	Aptamil	Anti-reflux. For the dietary management of frequent reflux and regurgitation.	0-12 months	Tesco	Combined material
S13-057184	1397533	2013	10	16	Cow & Gate	Comfort; For the dietary management of colic and constipation	0-12 months	Tesco	Combined material
S13-057169	1397544	2013	10	15	Cow & Gate	Growing Up Milk (in powder)	1-2 years	Waitrose	Combined material
S13-057657	1397545	2013	10	21	Aptamil	First Milk Ready to Feed (1) (Breast milk substitute)	From Birth	Online Ocado	Plastic/plastic film
S13-058770	1397547	2013	10	21	Hipp Organic	Plum & Pear Pudding	From 7 months	Tesco	Glass
S13-058757	1397548	2013	10	21	Aptamil	Growing up milk (powder)	2-3 years	Tesco	Combined material
S13-058772	1397549	2013	10	21	Cow & Gate	Scrummy Tuna Penne	From 10 months	Tesco	Glass
S13-058749	1397551	2013	10	19	Hipp Organic	Vegetables with Rice & Chicken	From 4 months	Sainsbury's	Glass
S13-058751	1397552	2013	10	21	Cow & Gate	Growing Up milk fortified milk drink; Ready to feed (2)	2-3 years	Waitrose	Combined material
S13-057360	1397553	2013	10	16	Heinz	Mum's own recipe pumpkin & lamb stew	From 7 months	Sainsbury's	Glass
S13-059443	1397555	2013	11	4	Heinz	Farley's biscuits	From 6 months	Asda	Plastic/plastic film
S13-059437	1397556	2013	11	4	Heinz	Mum's Own Recipe Lamb with winter vegetables	From 7 months	Asda	Glass
S13-059440	1397557	2013	11	4	Hipp Organic	Ravioli with Bolognese sauce	1-3 years	Asda	Plastic/plastic film
S13-059435	1397558	2013	11	4	Plum Baby	Banana and strawberry puree	Stage 1 up	Boots	Aluminium foil/aluminium sheet
S13-057170	1397561	2013	10	15	Aptamil	Aptamil with pronutra +. Growing Up Milk tailored to toddlers nutritional needs. Ready to use.	1-2 years	Waitrose	Cardboard/paperboard
S13-058750	1397564	2013	10	21	Hipp Organic	Combiotic Growing up milk (4)	From 12 months	Sainsbury's	Combined material
S13-058756	1397565	2013	10	21	Hipp Organic	Combiotic Follow on milk (3)	From 6 months	Morrisons	Combined material
S13-058755	1397566	2013	10	21	Heinz	Fruit & Yogurt Cereal	From 4 months	Morrisons	Combined material
S13-058767	1397567	2013	10	21	Hipp Organic	Vegetable & Chicken Risotto	From 7 months	Tesco	Combined material

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month/day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-058748	1397570	2013	10	21	Hipp Organic	Strawberry & Raspberry Yogurt	From 7 months	Sainsbury's	Glass
S13-057363	1397571	2013	10	16	Ella's Kitchen	Plums pears parsnips + swedes	From 4 months	Sainsbury's	Aluminium foil/aluminium sheet
S13-057354	1397572	2013	10	16	Cow & Gate	Follow On milk ready to feed (3)	From 6 months	Sainsbury's	Plastic/plastic film
S13-057355	1397574	2013	10	16	Aptamil	Hungry milk (2) ready to feed	From Birth	Sainsbury's	Plastic/plastic film
S13-057358	1397575	2013	10	16	Organix	Organic Apple & Blueberry	From 4 months	Sainsbury's	Plastic/plastic film
S13-057361	1397576	2013	10	16	Hipp Organic	Creamy Tomato & Leek Pasta	From 7 months	Tesco	Aluminium foil/aluminium sheet
S13-058745	1397588	2013	10	21	Ella's Kitchen	mangoes mangoes mangoes	From 4 months	Waitrose	Aluminium foil/aluminium sheet
S13-058744	1397589	2013	10	21	Ella's Kitchen	Punchy pork roast dinner with apples	From 7 months	Waitrose	Aluminium foil/aluminium sheet
S13-060132	1397591	2013	11	5	Hipp Organic	Banana & Peach Dessert	From 4 months	Asda	Glass
S13-060128	1397592	2013	11	5	Heinz	Cheesy vegetable pasta	From 7 months	Asda	Combined material
S13-060127	1397593	2013	11	5	Organix	Finger Foods, Organic Carrot & Tomato Rice Cakes	From 7 months	Asda	Aluminium foil/aluminium sheet
S13-060133	1397594	2013	11	6	Cow & Gate	Chicken Sunday lunch	From 10 months	Asda	Glass
S13-060129	1397596	2013	11	6	Cow & Gate	Fruit cocktail & baby rice	4-36 months	Asda	Plastic/plastic film
S13-060131	1397597	2013	11	7	Heinz	Creamed Porridge	4-36 months	Asda	Metal
S13-058762	1397598	2013	10	21	Heinz	Heinz Vegetable Hotpot with Chicken	From 10 months	Online Ocado	Glass
S13-057658	1397599	2013	10	21	Hipp Organic	Apples and Baby rice	From 4 months	Online Ocado	Aluminium foil/aluminium sheet
S13-057659	1397601	2013	10	21	Hipp Organic	Creamy spinach, potatoes and cheddar cheese	From 4 months	Online Ocado	Aluminium foil/aluminium sheet
S13-059434	1397604	2013	11	4	Heinz	Smooth Mango, Banana & Lime	4-36 months	Boots	Aluminium foil/aluminium sheet
S13-060148	1397605	2013	11	6	Heinz	Fruity banana and oat pudding	4-36 months	Asda	Plastic/plastic film
S13-058769	1397607	2013	10	21	Cow & Gate	Apple & Pear 100% Fruit	4-36 months	Morrisons	Combined material
S13-058769	1397608	2013	10	21	Hipp Organic	Red Fruit & Apple Compote	From 4 months	Morrisons	Glass
S13-058768	1397610	2013	10	21	Cow & Gate	Spaghetti Bolognese	From 10 months	Morrisons	Plastic/plastic film
S13-060149	1397611	2013	11	6	Heinz	Mum's own recipe Fruity Chicken Casserole	From 7 months	Asda	Glass
S13-060146	1397613	2013	11	6	Hipp Organic	Hearty vegetable and beef casserole	1-3 years	Asda	Plastic/plastic film

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month /day)	Brand	Description	Recommended age group	Retailer	Packaging
S13-060144	1397614	2013 11 6	Cow & Gate	Chicken pasta with tomato and mushrooms	From 10 months	Asda	Plastic/plastic film
S13-057171	1397615	2013 10 15	SMA	Toddler Milk nutritionally balanced for active toddlers (in powder)	1-3 years	Waitrose	Metal
S13-060147	1397616	2013 11 6	Hipp Organic	Breakfast layer Strawberry Cereal topped with yogurt	From 7 months	Asda	Glass
S13-059436	1397617	2013 11 4	Cow & Gate	Fruity Crumble	From 7 months	Boots	Glass
S13-059439	1397618	2013 11 4	Hipp Organic	Sweet parsnip and potato puree	From 4 months	Boots	Glass
S13-060145	1397619	2013 11 6	Cow & Gate	Mangoes, bananas apples & baby rice	4-36 months	Asda	Plastic/plastic film
S13-057172	1397620	2013 10 15	Ella's Kitchen	Broccoli, Pears + Peas super smooth	From 4 months	Waitrose	Aluminium foil/aluminium sheet
S13-058771	1397623	2013 10 21	Cow & Gate	Apple & Cookie Crumble	From 6 months	Morrisons	Glass
S13-058765	1397624	2013 10 21	Ella's Kitchen	Strawberries & Apple Nibbly Fingers	From 12 months	Tesco	Combined material
S13-058754	1397626	2013 10 21	Aptamil	Creamed Banana Porridge	From 4 months	Tesco	Combined material
S13-058753	1397627	2013 10 21	Heinz	Butternut Squash, Carrot & Apple	From 4 months	Asda	Aluminium foil/aluminium sheet
S13-057357	1397628	2013 10 16	Cow & Gate	Cheesy vegetable lasagne	From 7 months	Superdrug	Glass
S13-057356	1397632	2013 10 16	SMA	Follow On milk (2) ready to feed	From 6 months	Sainsbury's	Plastic/plastic film
S13-057362	1397633	2013 10 16	Hipp Organic	Pasta with Tomatoes & Mozzarella	From 10 months	Superdrug	Glass
S13-057359	1397634	2013 10 16	Heinz	Mum's own recipe pasta Bolognese	From 4 months	Tesco	Glass
S13-058746	1397643	2014 1 9	Hipp Organic	Shell Pasta with Juicy Tomatoes & Courgettes	1-3 years	Sainsbury's	Plastic/plastic film
S13-059414	1397644	2013 10 29	Cow & Gate	Beef Casserole	From 10 months	Tesco	Glass
S13-059415	1397645	2013 10 30	Cow & Gate	Beef Stroganoff	From 7 months	Tesco	Glass
S13-060125	1397684	2013 11 7	Heinz	Farley's Rusks Wholemeal	From 4 months	Asda	Cardboard/paperboard
S13-060121	1397685	2013 11 7	Hipp Organic	Mini Pots Apple & Pear with a little bit of yogurt	From 4 months	Waitrose	Plastic/plastic film
S13-060124	1397686	2013 11 5	Heinz	Baby pasta stars	From 7 months	Asda	Plastic/plastic film
S13-060122	1397687	2013 11 5	Heinz	Sweet Potato & Beef Pie	From 4 months	Asda	Glass
S13-060126	1397688	2013 11 5	Organix	Organic Wholegrain Banana & Raisin Oat Porridge	From 7 months	Tesco	Combined material
S13-060123	1397689	2013 11 5	Hipp Organic	Ratatouille with Potatoes & Beef	1-3 years	Tesco	Plastic/plastic film
S13-059432	1397690	2013 11 1	Nannycare	Goat Milk Nutrition	Not declared	Online Ocado	Metal

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month /day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-059428	1397691	2013	11	1	Annabel Karmel	Disney Carrot +Sweetcorn Rice + Corn Snacks	From 12 months	Online Ocado	Aluminium foil/aluminium sheet
S13-059429	1397692	2013	11	1	Hipp Organic	Mineral Water with a Splash of Apple Juice	From 4 months	Online Ocado	Glass
S13-059430	1397693	2013	11	1	Heinz	Mum's own recipe Sunday Chicken Dinner	From 10 months	Online Ocado	Glass
S13-059431	1397694	2013	11	1	Cow & Gate	First Infant Milk Ready to feed (1)	From birth	Online Ocado	Plastic/plastic film
S13-063494	1397745	2013	12	2	Cow & Gate	macaroni with beef & sweet vegetables	From 10 months	British Corner shop	Plastic/plastic film
S13-063495	1397746	2013	12	2	Cow & Gate	creamy cottage pie	From 10 months	Online Ocado	Plastic/plastic film
S13-058775	1397926	2013	10	19	Heinz	Mum's own recipe Sunday Chicken Dinner	1-3 years	Boots	Plastic/plastic film
S13-059389	1398047	2013	10	26	Hipp Organic	Vegetable & Chicken Risotto	From 7 months	Boots	Glass
S13-060164	1398051	2013	11	4	Heinz	Lamb with winter vegetables	From 7 months	Tesco	Glass
S13-059390	1398052	2013	10	26	Boots	Baby Organic Salmon with Root Vegetables	From 12 months	Boots	Plastic/plastic film
S13-059393	1398053	2013	10	26	Hipp Organic	Apple Juice with Mineral Water	From 4 months	Tesco	Plastic/plastic film
S13-059391	1398054	2013	10	26	Hipp Organic	Hearty Cottage Pie	From 7 months	Tesco	Plastic/plastic film
S13-059410	1398055	2013	10	26	Hipp Organic	William Christ Pears	From 4 months	Tesco	Glass
S13-059409	1398056	2013	10	26	Cow & Gate	Creamy Mushroom & Chicken with Noodles	From 10 months	Tesco	Glass
S13-059408	1398057	2013	10	26	Cow & Gate	Creamy Cauliflower Cheese	From 7 months	Tesco	Glass
S13-059392	1398058	2013	10	26	Cow & Gate	Apple, orange & banana 100% fruit	From 4 months	Tesco	Plastic/plastic film
S13-059394	1398059	2013	10	26	Cow & Gate	Infasoy	From Birth	Tesco	Plastic/plastic film
S13-059395	1398060	2013	10	26	Cow & Gate	Follow On milk (3)	From 6 months	Tesco	Combined material
S13-059396	1398061	2013	10	26	Milupa Aptamil	Growing Up milk	From 12 months	Tesco	Plastic/plastic film
S13-057192	1398065	2013	10	15	Cow & Gate	Anti-reflux milk	0-12 months	Boots	Combined material
S13-057186	1398066	2013	10	15	Heinz	Farley's Rusks reduced sugar	From Birth	Boots	Combined material
S13-057185	1398071	2013	10	15	Cow & Gate	Chicken& tasty veg pot	From 7 months	Boots	Glass
S13-057189	1398072	2013	10	15	Cow & Gate	Banana delight	From 7 months	Boots	Glass
S13-057193	1398073	2013	10	15	SMA	Comfort easy to digest infant milk	From Birth	Boots	Metal
S13-057188	1398074	2013	10	15	Ella's Kitchen	Pears Pears Pears	From 4 months	Boots	Aluminium foil/aluminium sheet
S13-057191	1398077	2013	10	15	Cow & Gate	Baby cauliflower cheese	From 4 months	Boots	Glass

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month/day)			Brand	Description	Recommended age group	Retailer	Packaging
S13-057190	1398078	2013	10	15	Heinz	Mum's own recipe spaghetti Bolognese	1-3 years	Superdrug	Plastic/plastic film
S13-057187	1398081	2013	10	16	Hipp Organic	Creamy porridge breakfast	From 6 months	Waitrose	Glass
S13-057194	1398084	2013	10	16	Hipp Organic	Good night milk; follow on milk with added organic cereals	From 6 months	Boots	Combined material
S13-058758	1398088	2013	10	21	SMA	Extra Hungry Infant Milk (1), from birth	From Birth	Morrisons	Metal
S13-059455	1398147	2013	11	5	Heinz	Mum's own recipe Mediterranean veggies, chicken and sweet potato mashed food.	From 7 months	Asda	Glass
S13-060203	1398148	2013	11	10	Ella's Kitchen	Four bean Feast with flavour	From 7 months	Online Ocado	Aluminium foil/aluminium sheet
S13-059445	1398152	2013	11	1	Hipp Organic	Paella with mixed vegetables & chicken	1-3 years	Asda	Plastic/plastic film
S13-059444	1398162	2013	11	1	Heinz	Fruity Yoghurt Pear	4-36 months	Asda	Plastic/plastic film
S13-060208	1398165	2013	11	10	Plum Baby	Banana & apricot oat porridge	Stage 1 up	Online Ocado	Protective gas package
S13-060211	1398166	2013	11	10	Heinz	Baby juice with spring water apple & blackcurrant	From 4 months	Online Ocado	Plastic/plastic film
S13-060210	1398167	2013	11	10	Hipp Organic	Baby Rice	From 4 months	Online Ocado	Aluminium foil/aluminium sheet
S13-060207	1398168	2013	11	10	Heinz	Mum's own recipe mango, banana & peach	From 4 months	Online Ocado	Glass
S13-060204	1398169	2013	11	10	Heinz	Mum's Own Recipe Chocolate & Banana Pudding	From 4 months	Online Ocado	Glass
S13-060205	1398170	2013	11	10	Heinz	Mum's own recipe Shepherd's pie	From 4 months	Online Ocado	Glass
S13-060214	1398171	2013	11	11	Organix	Organic Wholegrain Banana Porridge with added vitamin B1	From 4 months	Online Amazon	Combined material
S13-060206	1398172	2013	11	10	Cow & Gate	Juicy fruit crumble	From 6 months	Online Ocado	Glass
S13-059438	1398177	2013	11	4	Hipp Organic	Cheesy Pasta Bake	From 7 months	Boots	Glass
S13-060130	1397747	2013	12	5	Cow & Gate	Mediterranean beef stew	From 10 months	Boots	Glass
S13-058760	01397501 and 01397502	2013	10	21	Heinz	Dinners Cauliflower and Broccoli Cheese	From 4 months	Online Ocado	Cardboard/paperboard
S13-058761	01397559 and 01397560	2013	10	21	Heinz	Oat and Banana Cereal Breakfast	From 7 months	Online Ocado	Combined material

Table 8. Sample details: Infant food and infant formula continued

Fera LIMS code	Sample No.	Purchase date (year/month /day)	Brand	Description	Recommended age group	Retailer	Packaging
S13-058759	01397600, 01397602 and 01397603	2013 10 21	Hipp Organic	Little Nibbles, Organic Apple and Blueberry Rice cakes	From 7 months	Online Ocado	Aluminium foil/aluminium sheet
S13-059441	F605001	2013 11 4	Cow & Gate	Multigrain Banana Porridge	From 7 months	Tesco	Combined material
S13-059442	F605010	2013 11 4	Cow & Gate	Banana and Strawberry porridge	From 4 months	Asda	Combined material
S13-060150	F605011	2013 11 6	Organix	Organic raspberry and blueberry rice cakes	From 7 months	Sainsbury's	Aluminium foil/aluminium sheet

Table 9. Sample details: Non-infant specific food

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)	Brand	Description	Packaging	Country of origin
S13-058044	34166	1398226	2013 10 30	Morrisons	Apple Juice	Wax paper/wax cardboard	Unknown
	34166	1398205	2013 10 30	Innocent	Apple Juice	Plastic/plastic film	Unknown
	34166	1398203	2013 10 30	Copella	Apple Juice	Plastic/plastic film	Unknown
	34166	1398241	2013 10 28	Asda	Apple Juice	Wax paper/wax cardboard	United Kingdom
	34166	1397972	2013 10 29	Sainsbury's	Apple Juice	Cardboard/paperboard	United Kingdom
	34166	1397969	2013 10 27	Waitrose	Apple Juice	Wax paper/wax cardboard	United Kingdom
	34166	1398019	2013 10 30	Aldi	Apple Juice	Wax paper/wax cardboard	Unknown
	34166	1398016	2013 10 28	Don Simon	Apple Juice	Wax paper/wax cardboard	Spain
	34166	1398219	2013 10 30	Tesco	Apple Juice	Wax paper/wax cardboard	United Kingdom
	34166	1398204	2013 10 30	Cawston Press	Apple Juice	Wax paper/wax cardboard	Unknown

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-057295	34186	1397640	2013	10	16	Unknown	Apples	Not packed (loose; open)	Italy
	34186	1397637	2013	10	16	Sainsbury's	Apples	Wrapped	United Kingdom
	34186	1397316	2013	10	15	The Co-operative	Apples	Wrapped	United Kingdom
	34186	1397286	2013	10	16	Oaklands	Apples	Wrapped	United Kingdom
	34186	1398138	2013	10	16	Aldi	Apples	Wrapped	United Kingdom
	34186	1397268	2013	10	16	Morrisons	Apples	Wrapped	Portugal
	34186	1398134	2013	10	16	Marks & Spencer	Apples	Wrapped	United Kingdom
	34186	1397448	2013	10	14	Tesco	Apples	Wrapped	United Kingdom
	34186	1398103	2013	10	16	Asda	Apples	Wrapped	United Kingdom
	34186	1397328	2013	10	16	Waitrose	Apples	Wrapped	New Zealand
S13-057285	34187	1397310	2013	10	15	The Co-operative	Avocado	Wrapped	Chile
	34187	1397277	2013	10	16	Oaklands	Avocado	Wrapped	South Africa
	34187	1397269	2013	10	16	Morrisons	Avocado	Wrapped	Chile
	34187	1397293	2013	10	14	Tesco	Avocado	Wrapped	Chile
	34187	1397585	2013	10	16	Whole foods	Avocado	Not packed (loose; open)	Peru
	34187	1398126	2013	10	16	Sainsbury's	Avocado	Wrapped	Chile
	34187	1398099	2013	10	16	Aldi	Avocado	Wrapped	Peru
	34187	1398119	2013	10	16	Marks & Spencer	Avocado	Wrapped	Chile
	34187	1398105	2013	10	16	Asda	Avocado	Wrapped	South Africa
	34187	1397310	2013	10	16	Waitrose	Avocado	Wrapped	Chile
S13-060090	34144	1398228	2013	10	28	Asda	Baked Beans	Tinplate	United Kingdom
	34144	1397955	2013	10	29	Heinz	Baked Beans	Tinplate	United Kingdom
	34144	1397954	2013	10	29	Sainsbury's	Baked Beans	Tinplate	Italy
	34144	1397252	2013	10	22	Oaktree Estate	Baked Beans	Tinplate	Italy
	34144	1398216	2013	10	30	Branston	Baked Beans	Tinplate	Unknown
	34144	1398217	2013	10	30	Morrisons	Baked Beans	Tinplate	United Kingdom
	34144	1397256	2013	10	22	Tesco	Baked Beans	Tinplate	Italy
	34144	1398221	2013	10	30	Biona	Baked Beans	Tinplate	United Kingdom
	34144	1397257	2013	10	19	Waitrose	Baked Beans	Tinplate	United Kingdom
	34144	1397258	2013	10	19	Whole Earth Organic	Baked Beans	Tinplate	United Kingdom

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-057325	34174	1397534	2013	10	16	Asda	Bananas	Wrapped	Belize
	34174	1397639	2013	10	16	Unknown	Bananas	Not packed (loose; open)	Unknown
	34174	1398123	2013	10	16	Sainsbury's	Bananas	Wrapped	Dominican Republic
	34174	1397284	2013	10	16	Oaklands	Bananas	Wrapped	Colombia
	34174	1397264	2013	10	15	The Co-operative	Bananas	Wrapped	Dominican Republic
	34174	1397444	2013	10	16	Aldi	Bananas	Wrapped	Belize
	34174	1397266	2013	10	16	Morrisons	Bananas	Wrapped	Colombia
	34174	1397449	2013	10	14	Tesco	Bananas	Wrapped	Non European Union
	34174	1398132	2013	10	16	Marks & Spencer	Bananas	Wrapped	Ghana
	34174	1397309	2013	10	16	Waitrose	Bananas	Wrapped	Colombia
S13-057867	34162	1397858	2013	10	23	Asda	Blueberries	Plastic/plastic film	Argentina
	34162	1397847	2013	10	22	Waitrose	Blueberries	Plastic/plastic film	United Kingdom
	34162	1397859	2013	10	22	Ocado	Blueberries	Plastic/plastic film	United Kingdom
	34162	1397860	2013	10	23	Driscoll's	Blueberries	Plastic/plastic film	Netherlands
	34162	1397848	2013	10	23	Sainsbury's	Blueberries	Plastic/plastic film	Netherlands
	34162	1397861	2013	10	23	Aldi	Blueberries	Plastic/plastic film	Netherlands
	34162	1397850	2013	10	22	Tesco	Blueberries	Plastic/plastic film	Argentina
	34162	1397849	2013	10	23	Marks & Spencer	Blueberries	Plastic/plastic film	Argentina
	34162	1397240	2013	10	23	The Co-operative	Blueberries	Plastic/plastic film	South Africa
	34162	1397239	2013	10	23	Morrisons	Blueberries	Plastic/plastic film	Argentina
S13-058048	34147	1397953	2013	10	30	Carrick Glen	Bottled waters (still and carbonated)	Plastic/plastic film	United Kingdom
	34147	1398006	2013	10	30	Aldi	Bottled waters (still and carbonated)	Plastic/plastic film	Unknown
	34147	1397983	2013	10	29	Highland Spring	Bottled waters (still and carbonated)	Plastic/plastic film	United Kingdom
	34147	1397250	2013	10	19	Waitrose	Bottled waters (still and carbonated)	Plastic/plastic film	United Kingdom
	34147	1397982	2013	10	29	Sainsbury's	Bottled waters (still and carbonated)	Plastic/plastic film	United Kingdom
	34147	1398009	2013	10	28	Badoit	Bottled waters (still and carbonated)	Plastic/plastic film	France
	34147	1398002	2013	10	28	S.Pelegrino	Bottled waters (still and carbonated)	Plastic/plastic film	Italy
	34147	1398233	2013	10	30	Pennine Vale	Bottled waters (still and carbonated)	Plastic/plastic film	United Kingdom
	34147	1398185	2013	10	31	The Co-operative	Bottled waters (still and carbonated)	Plastic/plastic film	United Kingdom
	34147	1398208	2013	10	22	Evian	Bottled waters (still and carbonated)	Plastic/plastic film	France

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-059364	34133	1397709	2013	10	21	Lidl	Bread (white)	Plastic/plastic film	Unknown
	34133	1397879	2013	10	22	Warburtons	Bread (white)	Wax paper/wax cardboard	United Kingdom
	34133	1397872	2013	10	22	Hovis	Bread (white)	Plastic/plastic film	United Kingdom
	34133	1397730	2013	10	22	Sainsbury's	Bread (white)	Plastic/plastic film	United Kingdom
	34133	1397707	2013	10	19	Waitrose	Bread (white)	Plastic/plastic film	United Kingdom
	34133	1397710	2013	10	19	Kingsmill	Bread (white)	Plastic/plastic film	United Kingdom
	34133	1397742	2013	10	22	Asda	Bread (white)	Plastic/plastic film	United Kingdom
	34133	1397851	2013	10	23	The Co-operative	Bread (white)	Plastic/plastic film	United Kingdom
	34133	1397729	2013	10	22	Morrisons	Bread (white)	Plastic/plastic film	United Kingdom
	34133	1397866	2013	10	24	Draycot Bakery	Bread (white)	Plastic/plastic film	United Kingdom
S13-057195	34182	1398140	2013	10	15	The Co-operative	Broccoli	Wrapped	United Kingdom
	34182	1397274	2013	10	16	Oaklands	Broccoli	Wrapped	United Kingdom
	34182	1397289	2013	10	16	Morrisons	Broccoli	Wrapped	United Kingdom
	34182	1397446	2013	10	14	Tesco	Broccoli	Wrapped	United Kingdom
	34182	1397582	2013	10	16	Unknown	Broccoli	Not packed (loose; open)	United Kingdom
	34182	1398111	2013	10	16	Sainsbury's	Broccoli	Wrapped	United Kingdom
	34182	1398118	2013	10	16	Marks & Spencer	Broccoli	Wrapped	United Kingdom
	34182	1398095	2013	10	16	Aldi	Broccoli	Wrapped	United Kingdom
	34182	1397535	2013	10	16	Asda	Broccoli	Wrapped	United Kingdom
	34182	1397311	2013	10	16	Waitrose	Broccoli	Wrapped	United Kingdom
S13-057235	34189	1397493	2013	10	16	Unknown	Butternut squash	Not packed (loose; open)	Portugal
	34189	1398117	2013	10	16	Sainsbury's	Butternut squash	Not packed (loose; open)	Portugal
	34189	1397635	2013	10	16	Whole foods	Butternut squash	Not packed (loose; open)	Argentina
	34189	1397298	2013	10	14	Tesco	Butternut squash	Not packed (loose; open)	Portugal
	34189	1397272	2013	10	16	Morrisons	Butternut squash	Not packed (loose; open)	United Kingdom
	34189	1397279	2013	10	16	Emergosol	Butternut squash	Not packed (loose; open)	Portugal
	34189	1398110	2013	10	15	The Co-operative	Butternut squash	Not packed (loose; open)	Greece
	34189	1398130	2013	10	16	Marks & Spencer	Butternut squash	Not packed (loose; open)	Greece
	34189	1398079	2013	10	16	Asda	Butternut squash	Not packed (loose; open)	Portugal
	34189	1398070	2013	10	16	Waitrose	Butternut squash	Not packed (loose; open)	Greece

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-060109	34108	1397956	2013	10	29	Sainsbury's	Canned spaghetti in tomato sauce	Tinplate	United Kingdom
	34108	1398234	2013	10	28	Asda	Canned spaghetti in tomato sauce	Tinplate	United Kingdom
	34108	1398231	2013	10	30	Morrisons	Canned spaghetti in tomato sauce	Tinplate	United Kingdom
	34108	1398222	2013	10	30	The Co-operative	Canned spaghetti in tomato sauce	Tinplate	United Kingdom
	34108	1397952	2013	10	30	Corale	Canned spaghetti in tomato sauce	Tinplate	Unknown
	34108	1397961	2013	10	30	Campo Largo	Canned spaghetti in tomato sauce	Tinplate	Unknown
	34108	1397966	2013	10	27	Waitrose	Canned spaghetti in tomato sauce	Tinplate	Italy
	34108	1397988	2013	10	22	Tesco	Canned spaghetti in tomato sauce	Tinplate	Italy
	34108	1398190	2013	10	30	Branston	Canned spaghetti in tomato sauce	Tinplate	Unknown
	34108	1397253	2013	10	22	Heinz	Canned spaghetti in tomato sauce	Tinplate	United Kingdom
S13-060108	34109	1398025	2013	10	22	La Vera Vita	Canned tomatoes	Tinplate	Italy
	34109	1398232	2013	10	30	Napolina	Canned tomatoes	Tinplate	Italy
	34109	1398218	2013	10	30	Cook Italian	Canned tomatoes	Tinplate	Italy
	34109	1398230	2013	10	30	Morrisons	Canned tomatoes	Tinplate	Italy
	34109	1397990	2013	10	29	Sainsbury's	Canned tomatoes	Wax paper/wax cardboard	Italy
	34109	1398008	2013	10	30	Nostia	Canned tomatoes	Tinplate	Italy
	34109	1397259	2013	10	19	Waitrose	Canned tomatoes	Tinplate	Italy
	34109	1398043	2013	10	22	Tesco	Canned tomatoes	Tinplate	Italy
	34109	1397949	2013	10	30	Sweet Harvest	Canned tomatoes	Tinplate	Unknown
	34109	1397957	2013	10	29	Cirio	Canned tomatoes	Tinplate	Italy
S13-057275	34188	1398112	2013	10	15	The Co-operative	Carrots	Wrapped	United Kingdom
	34188	1397578	2013	10	16	Bare Necessities	Carrots	Wrapped	United Kingdom
	34188	1398109	2013	10	16	Oaklands	Carrots	Wrapped	United Kingdom
	34188	1398125	2013	10	16	Sainsbury's	Carrots	Wrapped	United Kingdom
	34188	1397290	2013	10	16	Morrisons	Carrots	Wrapped	United Kingdom
	34188	1398100	2013	10	16	Aldi	Carrots	Wrapped	United Kingdom
	34188	1397296	2013	10	14	Tesco	Carrots	Wrapped	United Kingdom
	34188	1397320	2013	10	16	Marks & Spencer	Carrots	Wrapped	United Kingdom
	34188	1397315	2013	10	16	Waitrose	Carrots	Wrapped	United Kingdom
	34188	1398102	2013	10	16	Asda	Carrots	Wrapped	United Kingdom
S13-060104	34169	1397873	2013	10	23	Shazans	Chapattis	Plastic/plastic film	China
	34169	1397874	2013	10	23	Sainsbury's	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397930	2013	10	22	Nishaan	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397739	2013	10	29	Morrisons	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397740	2013	10	22	Asda	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397732	2013	10	22	Sharwoods	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397703	2013	10	19	Lloyd Grossman	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397931	2013	10	22	Pataks	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397875	2013	10	22	Elephant Atta	Chapattis	Plastic/plastic film	United Kingdom
	34169	1397871	2013	10	23	Bake Zone	Chapattis	Plastic/plastic film	European Union

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-057865	34168	1397868	2013	10	22	Tesco	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397870	2013	10	22	Asda	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397942	2013	10	23	Pembrokeshire	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397711	2013	10	21	Valley Spire	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397699	2013	10	19	Waitrose	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397869	2013	10	22	Cathedral City	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397863	2013	10	22	The Lake District Dairy Co	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397864	2013	10	22	Sainsbury's	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397862	2013	10	22	Morrisons	Cheddar Cheese	Plastic/plastic film	United Kingdom
	34168	1397865	2013	10	22	Davidstow	Cheddar Cheese	Plastic/plastic film	United Kingdom
S13-057944	34137	1397907	2013	10	22	Tesco	Chicken	Plastic/plastic film	United Kingdom
	34137	1397923	2013	10	22	Morrisons	Chicken	Plastic/plastic film	United Kingdom
	34137	1397734	2013	10	22	Waitrose	Chicken	Plastic/plastic film	United Kingdom
	34137	1397697	2013	10	21	Lidl	Chicken	Plastic/plastic film	Poland
	34137	1397726	2013	10	22	Ocado	Chicken	Plastic/plastic film	United Kingdom
	34137	1397911	2013	10	23	The Co-operative	Chicken	Plastic/plastic film	United Kingdom
	34137	1397717	2013	10	23	Aldi	Chicken	Plastic/plastic film	United Kingdom
	34137	1397910	2013	10	22	Asda	Chicken	Plastic/plastic film	United Kingdom
	34137	1397906	2013	10	23	Marks & Spencer	Chicken	Plastic/plastic film	United Kingdom
	34137	1397905	2013	10	23	Sainsbury's	Chicken	Plastic/plastic film	United Kingdom
S13-057205	34172	1397262	2013	10	15	The Co-operative	Clementines	Wrapped	South Africa
	34172	1397283	2013	10	16	Morrisons	Clementines	Wrapped	Spain
	34172	1397577	2013	10	16	Unknown	Clementines	Not packed (loose; open)	South Africa
	34172	1398135	2013	10	16	Marks & Spencer	Clementines	Wrapped	South Africa
	34172	1398104	2013	10	16	Asda	Clementines	Wrapped	South Africa
	34172	1397302	2013	10	16	Unknown	Clementines	Not packed (loose; open)	Non European Union
	34172	1397308	2013	10	16	Waitrose	Clementines	Not packed (loose; open)	Spain
	34172	1397451	2013	10	14	Tesco	Tangerines	Wrapped	Peru
	34172	1397581	2013	10	16	Sainsbury's	Tangerines	Wrapped	Uruguay
	34172	1397445	2013	10	16	Aldi	Tangerines	Wrapped	Peru

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)		Brand	Description	Packaging	Country of origin	
S13-057245	34183	1398139	2013	10	16	Murgiverde	Cucumber	Wrapped	Spain
	34183	1397440	2013	10	16	Aldi	Cucumber	Wrapped	Netherlands
	34183	1398141	2013	10	15	The Co-operative	Cucumber	Wrapped	Netherlands
	34183	1398121	2013	10	16	Sainsbury's	Cucumber	Wrapped	United Kingdom
	34183	1397291	2013	10	16	Morrisons	Cucumber	Wrapped	Unknown
	34183	1398133	2013	10	16	Marks & Spencer	Cucumber	Wrapped	United Kingdom
	34183	1398101	2013	10	16	Asda	Cucumber	Wrapped	United Kingdom
	34183	1397446	2013	10	14	Tesco	Cucumber	Wrapped	Netherlands
	34183	1398068	2013	10	16	Waitrose	Cucumber	Wrapped	United Kingdom
	34183	1397537	2013	10	16	Unknown	Cucumber	Not packed (loose; open)	United Kingdom
S13-059411	34142	1398224	2013	10	30	Morrisons	Custard (ready to serve)	Tinplate	United Kingdom
	34142	1397944	2013	10	28	Asda	Custard (ready to serve)	Wax paper/wax cardboard	United Kingdom
	34142	1397977	2013	10	29	Sainsbury's	Custard (ready to serve)	Cardboard/paperboard	United Kingdom
	34142	1397965	2013	10	22	Tesco	Custard (ready to serve)	Tinplate	United Kingdom
	34142	1397963	2013	10	30	Salco	Custard (ready to serve)	Wax paper/wax cardboard	United Kingdom
	34142	1397305	2013	10	22	Ambrosia	Custard (ready to serve)	Cardboard/paperboard	United Kingdom
	34142	1397947	2013	10	30	Aldi	Custard (ready to serve)	Wax paper/wax cardboard	Unknown
	34142	1398211	2013	10	30	The Co-operative	Custard (ready to serve)	Tinplate	United Kingdom
	34142	1398210	2013	10	30	Bird's	Custard (ready to serve)	Tinplate	United Kingdom
	34142	1398209	2013	10	30	Marks & Spencer	Custard (ready to serve)	Plastic/plastic film	United Kingdom
S13-059412	34163	1398239	2013	10	28	Asda	Eggs	Cardboard/paperboard	United Kingdom
	34163	1398012	2013	10	28	The Happy Egg Company	Eggs	Cardboard/paperboard	United Kingdom
	34163	1397967	2013	10	27	Waitrose	Eggs	Cardboard/paperboard	United Kingdom
	34163	1398022	2013	10	30	Merevale	Eggs	Cardboard/paperboard	Unknown
	34163	1398243	2013	10	30	Tesco	Eggs	Cardboard/paperboard	United Kingdom
	34163	1398242	2013	10	30	Kitty Campbell's	Eggs	Cardboard/paperboard	United Kingdom
	34163	1398220	2013	10	30	Haresfield Farm	Eggs	Cardboard/paperboard	United Kingdom
	34163	1397987	2013	10	29	Ella valentine	Eggs	Cardboard/paperboard	United Kingdom
	34163	1397986	2013	10	29	Clarence Court	Eggs	Cardboard/paperboard	United Kingdom
34163	1397985	2013	10	29	Sainsbury's	Eggs	Cardboard/paperboard	United Kingdom	
S13-057947	34135	1397724	2013	10	22	Morrisons	Fish Fingers	Cardboard/paperboard	Germany
	34135	1397716	2013	10	23	Aldi	Fish Fingers	Cardboard/paperboard	Germany
	34135	1397715	2013	10	23	Aldi	Fish Fingers	Cardboard/paperboard	United Kingdom
	34135	1397713	2013	10	22	Sainsbury's	Fish Fingers	Cardboard/paperboard	United Kingdom
	34135	1397928	2013	10	22	Asda	Fish Fingers	Cardboard/paperboard	United Kingdom
	34135	1397917	2013	10	22	Tesco	Fish Fingers	Cardboard/paperboard	Germany
	34135	1397728	2013	10	22	Birds Eye	Fish Fingers	Cardboard/paperboard	Germany
	34135	1397727	2013	10	22	Young's	Fish Fingers	Cardboard/paperboard	United Kingdom
	34135	1397695	2013	10	21	Ocean Trader	Fish Fingers	Cardboard/paperboard	Germany
	34135	1397718	2013	10	19	Waitrose	Fish Fingers	Cardboard/paperboard	United Kingdom

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-058047	34145	1398238	2013	10	28	Asda	Flavoured carbonated bottled waters	Plastic/plastic film	United Kingdom
	34145	1398240	2013	10	28	Bottle Green	Flavoured carbonated bottled waters	Glass	United Kingdom
	34145	1397997	2013	10	30	Perfectly Clear	Flavoured carbonated bottled waters	Plastic/plastic film	United Kingdom
	34145	1398028	2013	10	30	The Co-operative	Flavoured carbonated bottled waters	Glass	United Kingdom
	34145	1398013	2013	10	option1	Strathmore	Flavoured carbonated bottled waters	Plastic/plastic film	United Kingdom
	34145	1398037	2013	10	22	Tesco	Flavoured carbonated bottled waters	Plastic/plastic film	United Kingdom
	34145	1397978	2013	10	29	Sainsbury's	Flavoured carbonated bottled waters	Plastic/plastic film	United Kingdom
	34145	1398007	2013	10	30	Carrick Glen	Flavoured carbonated bottled waters	Plastic/plastic film	Ireland
	34145	1398042	2013	10	30	Marks & Spencer	Flavoured carbonated bottled waters	Plastic/plastic film	United Kingdom
34145	1398223	2013	10	30	Morrisons	Flavoured carbonated bottled waters	Plastic/plastic film	United Kingdom	
S13-057870	34136	1397940	2013	10	23	Brooklea	Fromage frais	Plastic/plastic film	United Kingdom
	34136	1397941	2013	10	23	Everyday Essentials	Fromage frais	Plastic/plastic film	France
	34136	1397922	2013	10	22	Tesco	Fromage frais	Plastic/plastic film	France
	34136	1397921	2013	10	22	Nestlé	Fromage frais	Plastic/plastic film	France
	34136	1397919	2013	10	22	Tesco	Fromage frais	Plastic/plastic film	France
	34136	1397920	2013	10	22	Muller	Fromage frais	Plastic/plastic film	United Kingdom
	34136	1397925	2013	10	22	Weight watchers	Fromage frais	Plastic/plastic film	France
	34136	1397918	2013	10	22	Nestlé	Fromage frais	Plastic/plastic film	France
	34136	1397913	2013	10	22	Petits filous	Fromage frais	Plastic/plastic film	France
34136	1397934	2013	10	22	Asda	Fromage frais	Combined material	France	
S13-057948	34148	1398201	2013	10	23	Marks & Spencer	Frozen Peas	Plastic/plastic film	United Kingdom
	34148	1398200	2013	10	30	Morrisons	Frozen Peas	Plastic/plastic film	United Kingdom
	34148	1398191	2013	10	28	Birds Eye	Frozen Peas	Plastic/plastic film	Unknown
	34148	1398192	2013	10	28	Asda	Frozen Peas	Plastic/plastic film	Spain
	34148	1398193	2013	10	29	Sainsbury's	Frozen Peas	Plastic/plastic film	United Kingdom
	34148	1398194	2013	10	22	Tesco	Frozen Peas	Plastic/plastic film	United Kingdom
	34148	1398195	2013	10	30	The Co-operative	Frozen Peas	Plastic/plastic film	Unknown
	34148	1398196	2013	10	27	Waitrose	Frozen Peas	Plastic/plastic film	United Kingdom
	34148	1398197	2013	10	30	Green Grocer's	Frozen Peas	Plastic/plastic film	Unknown
34148	1398179	2013	10	31	Ardo	Frozen Peas	Plastic/plastic film	United Kingdom	

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-058046	34110	1398207	2013	10	28	Asda	Fruit Juice Ready Drinks	Plastic/plastic film	United Kingdom
	34110	1397946	2013	10	30	Rio D'oro	Fruit Juice Ready Drinks	Combined aluminium and film packaging	Unknown
	34110	1398021	2013	10	30	Sun Quench	Fruit Juice Ready Drinks	Plastic/plastic film	Unknown
	34110	1397992	2013	10	29	Sainsbury's	Fruit Juice Ready Drinks	Plastic/plastic film	United Kingdom
	34110	1398004	2013	10	30	Lindhouse	Fruit Juice Ready Drinks	Plastic/plastic film	Unknown
	34110	1398003	2013	10	30	Morrisons	Fruit Juice Ready Drinks	Plastic/plastic film	United Kingdom
	34110	1397243	2013	10	22	Tesco	Fruit Juice Ready Drinks	Plastic/plastic film	United Kingdom
	34110	1397244	2013	10	19	Annabel Karmel	Fruit Juice Ready Drinks	Plastic/plastic film	United Kingdom
	34110	1397245	2013	10	19	Robinsons	Fruit Juice Ready Drinks	Plastic/plastic film	Unknown
	34110	1398206	2013	10	30	The Co-operative	Fruit Juice Ready Drinks	Plastic/plastic film	United Kingdom
S13-057305	34171	1397265	2013	10	16	Oaklands	Grapes	Not packed (loose; open)	Spain
	34171	1397261	2013	10	15	The Co-operative	Grapes	Not packed (loose; open)	Spain
	34171	1397271	2013	10	16	Morrisons	Grapes	Packed	Spain
	34171	1397452	2013	10	14	Tesco	Grapes	Not packed (loose; open)	Spain
	34171	1397579	2013	10	16	Crimson	Grapes	Packed	Italy
	34171	1397580	2013	10	16	Sainsbury's	Grapes	Packed	Spain
	34171	1398120	2013	10	16	Marks & Spencer	Grapes	Packed	Spain
	34171	1398094	2013	10	16	Aldi	Grapes	Wrapped	Italy
	34171	1398106	2013	10	16	Asda	Grapes	Wrapped	Spain
	34171	1397314	2013	10	16	Waitrose	Grapes	Wrapped	Spain
S13-060089	34107	1397246	2013	10	19	Waitrose	Lentils	Plastic/plastic film	United Kingdom
	34107	1398229	2013	10	28	Asda	Lentils	Tinplate	United Kingdom
	34107	1398015	2013	10	28	Natco	Lentils	Plastic/plastic film	United Kingdom
	34107	1397994	2013	10	30	Montedos	Lentils	Plastic/plastic film	Unknown
	34107	1397958	2013	10	29	Sainsbury's	Lentils	Plastic/plastic film	Canada
	34107	1397993	2013	10	29	Crazy Jack	Lentils	Plastic/plastic film	United Kingdom
	34107	1398024	2013	10	22	Tesco	Lentils	Plastic/plastic film	Canada
	34107	1398038	2013	10	22	Great scot	Lentils	Plastic/plastic film	Unknown
	34107	1398183	2013	10	31	The Co-operative	Lentils	Plastic/plastic film	Canada
	34107	1398000	2013	10	30	Fresh & Wild	Lentils	Plastic/plastic film	Turkey

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)		Brand	Description	Packaging	Country of origin	
S13-057335	34173	1397276	2013	10	16	Top Brasil	Melon	Not packed (loose; open)	Brazil
	34173	1397263	2013	10	16	The Co-operative	Melon	Not packed (loose; open)	Brazil
	34173	1397280	2013	10	16	Morrisons	Melon	Not packed (loose; open)	Brazil
	34173	1397450	2013	10	14	Tesco	Melon	Not packed (loose; open)	Brazil
	34173	1397554	2013	10	16	Unknown	Melon	Not packed (loose; open)	Brazil
	34173	1397439	2013	10	16	Aldi	Melon	Not packed (loose; open)	Brazil
	34173	1398124	2013	10	16	Sainsbury's	Melon	Not packed (loose; open)	Brazil
	34173	1398136	2013	10	16	Marks & Spencer	Melon	Not packed (loose; open)	Brazil
	34173	1397443	2013	10	16	Asda	Melon	Not packed (loose; open)	Unknown
	34173	1397313	2013	10	16	Waitrose	Melon	Not packed (loose; open)	Unknown
S13-060106	34106	1397968	2013	10	27	Clearspring	Noodles	Plastic/plastic film	China
	34106	1397981	2013	10	29	Sainsbury's	Noodles	Plastic/plastic film	China
	34106	1398014	2013	10	28	Maggi	Noodles	Plastic/plastic film	Malaysia
	34106	1398040	2013	10	22	Tesco	Noodles	Plastic/plastic film	Thailand
	34106	1398214	2013	10	30	Blue Dragon	Noodles	Plastic/plastic film	China
	34106	1397945	2013	10	28	Asda	Noodles	Plastic/plastic film	Belgium
	34106	1398026	2013	10	22	Sharwoods	Noodles	Plastic/plastic film	Belgium
	34106	1397980	2013	10	29	Amoy	Noodles	Plastic/plastic film	China
	34106	1397964	2013	10	27	Waitrose	Noodles	Plastic/plastic film	United Kingdom
	34106	1397962	2013	10	30	Vitasia	Noodles	Plastic/plastic film	China
S13-057255	34181	1397287	2013	10	16	Unknown	Onions	Wrapped	Netherlands
	34181	1398142	2013	10	15	The Co-operative	Onions	Wrapped	United Kingdom
	34181	1397292	2013	10	16	Morrisons	Onions	Wrapped	United Kingdom
	34181	1397299	2013	10	14	Tesco	Onions	Wrapped	United Kingdom
	34181	1397584	2013	10	16	Unknown	Onions	Wrapped	Netherlands
	34181	1398127	2013	10	16	Sainsbury's	Onions	Wrapped	Netherlands
	34181	1398091	2013	10	16	Aldi	Onions	Wrapped	United Kingdom
	34181	1398064	2013	10	16	Asda	Onions	Wrapped	United Kingdom
	34181	1398129	2013	10	16	Marks & Spencer	Onions	Wrapped	United Kingdom
	34181	1398067	2013	10	16	Waitrose	Onions	Wrapped	United Kingdom

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-058045	34164	1497975	2013	10	29	Del Monte	Orange Juice	Cardboard/paperboard	United Kingdom
	34164	1398227	2013	10	30	Tesco	Orange Juice	Wax paper/wax cardboard	United Kingdom
	34164	1398020	2013	10	30	Rio D'oro	Orange Juice	Wax paper/wax cardboard	Unknown
	34164	1398010	2013	10	28	Asda	Orange Juice	Wax paper/wax cardboard	United Kingdom
	34164	1398225	2013	10	30	Morrisons	Orange Juice	Wax paper/wax cardboard	Unknown
	34164	1397970	2013	10	27	Waitrose	Orange Juice	Wax paper/wax cardboard	United Kingdom
	34164	1397974	2013	10	29	Sainsbury's	Orange Juice	Cardboard/paperboard	United Kingdom
	34164	1398198	2013	10	30	Stute	Orange Juice	Wax paper/wax cardboard	Brazil
	34164	1398199	2013	10	30	Tropicana	Orange Juice	Wax paper/wax cardboard	Unknown
	34164	1398202	2013	10	28	Innocent	Orange Juice	Plastic/plastic film	Unknown
S13-057868	34170	1397883	2013	10	23	Oaklands	Oranges	Packed	Unknown
	34170	1397877	2013	10	22	Tesco	Oranges	Wrapped	South Africa
	34170	1397722	2013	10	22	Sainsbury's	Oranges	Packed	South Africa
	34170	1397738	2013	10	22	Morrisons	Oranges	Packed	South Africa
	34170	1397937	2013	10	23	citrus fresh	Oranges	Packed	South Africa
	34170	1397938	2013	10	23	Marks & Spencer	Oranges	Packed	South Africa
	34170	1397741	2013	10	22	Asda	Oranges	Packed	South Africa
	34170	1397704	2013	10	19	Waitrose	Oranges	Packed	South Africa
	34170	1397743	2013	10	22	Ocado	Oranges	Packed	South Africa
	34170	1397882	2013	10	23	The Co-operative	Oranges	Packed	South Africa
S13-057225	34175	1397454	2013	10	15	The Co-operative	Parsnips	Wrapped	United Kingdom
	34175	1397288	2013	10	16	Oaklands	Parsnips	Wrapped	United Kingdom
	34175	1398096	2013	10	16	Aldi	Parsnips	Wrapped	United Kingdom
	34175	1397270	2013	10	16	Morrisons	Parsnips	Wrapped	United Kingdom
	34175	1397297	2013	10	14	Tesco	Parsnips	Wrapped	United Kingdom
	34175	1398063	2013	10	16	Asda	Parsnips	Wrapped	United Kingdom
	34175	1397636	2013	10	16	Bare Necessities	Parsnips	Wrapped	United Kingdom
	34175	1398131	2013	10	16	Marks & Spencer	Parsnips	Wrapped	United Kingdom
	34175	1398116	2013	10	16	Sainsbury's	Parsnips	Wrapped	United Kingdom
	34175	1397312	2013	10	16	Waitrose	Parsnips	Wrapped	United Kingdom

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-060092	34165	1398237	2013	10	28	Il Pastaio	Pasta	Vacuum package	Italy
	34165	1397998	2013	10	30	Morrisons	Pasta	Plastic/plastic film	Italy
	34165	1398029	2013	10	30	Cook Italian	Pasta	Plastic/plastic film	Italy
	34165	1398236	2013	10	28	Asda	Pasta	Plastic/plastic film	Italy
	34165	1397960	2013	10	29	Sainsbury's	Pasta	Plastic/plastic film	Italy
	34165	1397249	2013	10	19	Waitrose	Pasta	Plastic/plastic film	Italy
	34165	1397248	2013	10	19	De Cecco	Pasta	Plastic/plastic film	Italy
	34165	1398041	2013	10	22	Tesco	Pasta	Plastic/plastic film	Italy
	34165	1397959	2013	10	29	Napolina	Pasta	Plastic/plastic film	Italy
	34165	1398027	2013	10	30	Buitoni	Pasta	Plastic/plastic film	Italy
S13-057345	34184	1397303	2013	10	16	Unknown	Peaches	Not packed (loose; open)	Unknown
	34184	1397301	2013	10	16	Unknown	Peaches	Not packed (loose; open)	Spain
	34184	1398113	2013	10	16	Sainsbury's	Peaches	Wrapped	Spain
	34184	1397638	2013	10	16	Unknown	Peaches	Not packed (loose; open)	Spain
	34184	1397295	2013	10	14	Tesco	Peaches	Wrapped	Spain
	34184	1397281	2013	10	16	Morrisons	Peaches	Wrapped	Spain
	34184	1397307	2013	10	16	Waitrose	Peaches	Not packed (loose; open)	Spain
	34184	1398080	2013	10	16	Asda	Peaches	Wrapped	Spain
	34184	1397304	2013	10	16	Unknown	Peaches	Not packed (loose; open)	Spain
S13-057315	34185	1397583	2013	10	16	Whole foods	Pears	Not packed (loose; open)	United Kingdom
	34185	1397294	2013	10	14	Tesco	Pears	Wrapped	Portugal
	34185	1398122	2013	10	16	Sainsbury's	Pears	Wrapped	United Kingdom
	34185	1397285	2013	10	16	Oaklands	Pears	Wrapped	Portugal
	34185	1398092	2013	10	16	Aldi	Pears	Wrapped	Belgium
	34185	1397306	2013	10	16	Waitrose	Pears	Wrapped	United Kingdom
	34185	1397321	2013	10	15	The Co-operative	Pears	Wrapped	United Kingdom
	34185	1398137	2013	10	16	Marks & Spencer	Pears	Wrapped	United Kingdom
	34185	1397267	2013	10	16	Morrisons	Pears	Wrapped	Belgium
	34185	1398107	2013	10	16	Asda	Pears	Wrapped	Belgium

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-057946	34134	1397929	2013	10	23	The Co-operative	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397939	2013	10	23	Aldi	Pork sausages	Paper	United Kingdom
	34134	1397924	2013	10	22	Morrisons	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397736	2013	10	22	Waitrose	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397720	2013	10	19	Waitrose	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397914	2013	10	23	Marks & Spencer	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397712	2013	10	21	Lidl	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397737	2013	10	22	Richmond	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397916	2013	10	22	Tesco	Pork sausages	Plastic/plastic film	United Kingdom
	34134	1397915	2013	10	22	Asda	Pork sausages	Plastic/plastic film	United Kingdom
S13-057265	34177	1397455	2013	10	15	The Co-operative	Potatoes	Wrapped	United Kingdom
	34177	1397275	2013	10	16	Oaklands	Potatoes	Wrapped	United Kingdom
	34177	1397441	2013	10	16	Aldi	Potatoes	Wrapped	United Kingdom
	34177	1397282	2013	10	16	Morrisons	Potatoes	Wrapped	United Kingdom
	34177	1397300	2013	10	14	Tesco	Potatoes	Wrapped	United Kingdom
	34177	1398114	2013	10	16	Sainsbury's	Potatoes	Wrapped	United Kingdom
	34177	1397536	2013	10	16	Scotty Brand	Potatoes	Wrapped	United Kingdom
	34177	1397319	2013	10	16	Marks & Spencer	Potatoes	Wrapped	United Kingdom
	34177	1398082	2013	10	16	Asda	Potatoes	Wrapped	United Kingdom
	34177	1397329	2013	10	16	Waitrose	Potatoes	Wrapped	United Kingdom
S13-060091	34105	1398180	2013	10	31	The Co-operative	Rice	Plastic/plastic film	Unknown
	34105	1398039	2013	10	22	Uncle Bens	Rice	Vacuum package	European Union
	34105	1397971	2013	10	29	Tilda	Rice	Vacuum package	United Kingdom
	34105	1397976	2013	10	29	Sainsbury's	Rice	Plastic/plastic film	France
	34105	1398017	2013	10	28	Asda	Rice	Plastic/plastic film	Italy
	34105	1397950	2013	10	30	Aldi	Rice	Cardboard/paperboard	Unknown
	34105	1397995	2013	10	30	Golden Sun	Rice	Cardboard/paperboard	Italy
	34105	1397247	2013	10	19	Waitrose	Rice	Plastic/plastic film	United Kingdom
	34105	1398184	2013	10	31	Morrisons	Rice	Plastic/plastic film	Unknown
	34105	1398011	2013	10	28	Gallo	Rice	Cardboard/paperboard	Italy

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-060105	34104	1397999	2013	10	30	Biona	Rice cakes	Wrapped	Netherlands
	34104	1398178	2013	10	31	Morrisons	Rice Cakes	Plastic/plastic film	Czech Republic
	34104	1398001	2013	10	30	Clearspring	Rice Cakes	Plastic/plastic film	Japan
	34104	1398023	2013	10	30	Crusti Croc	Rice cakes	Plastic/plastic film	Unknown
	34104	1397979	2013	10	29	Sainsbury's	Rice Cakes	Plastic/plastic film	Belgium
	34104	1398005	2013	10	30	Harvest Morn	Rice Cakes	Plastic/plastic film	Unknown
	34104	1398018	2013	10	28	Snack a Jacks	Rice Cakes	Plastic/plastic film	United Kingdom
	34104	1397951	2013	10	22	Tesco	Rice Cakes	Plastic/plastic film	Netherlands
	34104	1397973	2013	10	22	Kallo	Rice cakes	Plastic/plastic film	Belgium
S13-057863	34104	1398181	2013	10	31	Nature's Store	Rice cakes	Plastic/plastic film	European Union
	34150	1397900	2013	10	22	Countrylife	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397700	2013	10	19	Cravendale	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397701	2013	10	19	Waitrose	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397932	2013	10	23	Yeo Valley	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397933	2013	10	23	Asda	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397899	2013	10	22	Daylesford	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397892	2013	10	22	Tesco	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397898	2013	10	22	Morrisons	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
	34150	1397891	2013	10	22	a2	Semi Skimmed Milk	Plastic/plastic film	United Kingdom
34150	1397897	2013	10	22	Sainsbury's	Semi Skimmed Milk	Plastic/plastic film	United Kingdom	
S13-057866	34161	1397852	2013	10	22	Tesco	Strawberries	Plastic/plastic film	Netherlands
	34161	1397867	2013	10	23	Asda	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397853	2013	10	23	Waitrose	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397854	2013	10	23	Marks & Spencer	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397844	2013	10	22	Waitrose	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397855	2013	10	22	Morrisons	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397845	2013	10	24	Ocado	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397856	2013	10	23	Sainsbury's	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397846	2013	10	23	Oaklands	Strawberries	Plastic/plastic film	United Kingdom
	34161	1397857	2013	10	23	Aldi	Strawberries	Plastic/plastic film	United Kingdom

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-057215	34176	1397453	2013	10	15	The Co-operative	Sweet potato	Not packed (loose; open)	Unknown
	34176	1397278	2013	10	16	Unknown	Sweet potato	Not packed (loose; open)	United States
	34176	1397273	2013	10	16	Morrisons	Sweet potato	Not packed (loose; open)	United States
	34176	1397586	2013	10	16	Whole Foods	Sweet potato	Not packed (loose; open)	United States
	34176	1397442	2013	10	16	Aldi	Sweet potato	Wrapped	United States
	34176	1398115	2013	10	16	Sainsbury's	Sweet potato	Packed	Portugal
	34176	1397587	2013	10	14	Tesco	Sweet potato	Wrapped	United States
	34176	1397494	2013	10	16	Asda	Sweet potato	Wrapped	United States
	34176	1398128	2013	10	16	Marks & Spencer	Sweet potato	Wrapped	United States
	34176	1398069	2013	10	16	Waitrose	Sweet potato	Wrapped	United States
S13-060107	34103	1397991	2013	10	29	Sainsbury's	Tinned Fish	Tinplate	Maldives
	34103	1398235	2013	10	28	Asda	Tinned Fish	Tinplate	Spain
	34103	1397260	2013	10	19	Waitrose	Tinned Fish	Tinplate	United States
	34103	1397989	2013	10	29	Princes	Tinned Fish	Tinplate	Spain
	34103	1397255	2013	10	22	Tesco	Tinned Fish	Tinplate	Spain
	34103	1397254	2013	10	22	Glenryck	Tinned Fish	Tinplate	Thailand
	34103	1398182	2013	10	31	The Co-operative	Tinned Fish	Tinplate	Canada
	34103	1398212	2013	10	30	Morrisons	Tinned Fish	Tinplate	Denmark
	34103	1398213	2013	10	30	John West	Tinned Fish	Tinplate	Ghana
	34103	1397948	2013	10	30	Ocean Rise	Tinned Fish	Tinplate	Non European Union
S13-059424	34143	1398189	2013	10	30	Asda	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1398188	2013	10	30	Marks & Spencer	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1397251	2013	10	22	Tesco	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1397241	2013	10	19	Waitrose	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1397242	2013	10	19	Weetabix	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1398186	2013	10	30	The Co-operative	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1397996	2013	10	30	Bixies	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1398215	2013	10	30	Morrisons	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1397984	2013	10	29	Sainsbury's	Wheat cereal biscuits	Combined material	United Kingdom
	34143	1398187	2013	10	30	Aldi	Wheat cereal biscuits	Combined material	Unknown

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-057945	34138	1397896	2013	10	22	Asda	White fish	Plastic/plastic film	United Kingdom
	34138	1397909	2013	10	22	Tesco	White fish	Plastic/plastic film	Poland
	34138	1397719	2013	10	19	Waitrose	White fish	Plastic/plastic film	United Kingdom
	34138	1397725	2013	10	22	Morrisons	White fish	Combined material	Unknown
	34138	1397705	2013	10	23	The Fishmonger	White fish	Plastic/plastic film	Unknown
	34138	1397735	2013	10	22	Ocado	White fish	Plastic/plastic film	United Kingdom
	34138	1397912	2013	10	23	The Co-operative	White fish	Plastic/plastic film	Norway
	34138	1397696	2013	10	21	Trawlic	White fish	Plastic/plastic film	Unknown
	34138	1397908	2013	10	23	Marks & Spencer	White fish	Vacuum package	United Kingdom
	34138	1397894	2013	10	22	Sainsbury's	White fish	Plastic/plastic film	United Kingdom
S13-057864	34149	1397887	2013	10	22	Creamfields	Whole Milk	Plastic/plastic film	United Kingdom
	34149	1397890	2013	10	22	Cravendale	Whole milk	Plastic/plastic film	United Kingdom
	34149	1397889	2013	10	22	Tesco	Whole milk	Plastic/plastic film	United Kingdom
	34149	1397702	2013	10	19	Waitrose	Whole Milk	Plastic/plastic film	United Kingdom
	34149	1397721	2013	10	22	Moo	whole milk	Wax paper/wax cardboard	United Kingdom
	34149	1397885	2013	10	22	Yeo Valley	Whole Milk	Plastic/plastic film	United Kingdom
	34149	1397888	2013	10	22	Sainsbury's	Whole Milk	Plastic/plastic film	United Kingdom
	34149	1397886	2013	10	22	Asda	Whole milk	Plastic/plastic film	United Kingdom
	34149	1397878	2013	10	23	Aldi	Whole Milk	Plastic/plastic film	United Kingdom
	34149	1397884	2013	10	22	Morrisons	Whole milk	Plastic/plastic film	United Kingdom
S13-059363	34132	1397706	2013	10	24	Lidl	Wholemeal Bread	Plastic/plastic film	Unknown
	34132	1397708	2013	10	21	Rowan Hill Bakery	Wholemeal Bread	Plastic/plastic film	Unknown
	34132	1397881	2013	10	22	Tesco	Wholemeal Bread	Plastic/plastic film	United Kingdom
	34132	1397880	2013	10	22	Wheatfield Bakery	Wholemeal Bread	Plastic/plastic film	United Kingdom
	34132	1397876	2013	10	23	Asda	Wholemeal Bread	Plastic/plastic film	United Kingdom
	34132	1397733	2013	10	22	Morrisons	Wholemeal Bread	Plastic/plastic film	United Kingdom
	34132	1397935	2013	10	23	Aldi	Wholemeal Bread	Plastic/plastic film	United Kingdom
	34132	1397731	2013	10	22	Sainsbury's	Wholemeal Bread	Plastic/plastic film	United Kingdom
	34132	1397936	2013	10	23	Brace's	Wholemeal Bread	Plastic/plastic film	United Kingdom
	34132	1397723	2013	10	22	Warburtons	Wholemeal Bread	Plastic/plastic film	United Kingdom

Table 9. Sample details: Non-infant specific food continued

Fera LIMS code	Sample No.	Sub-sample No.	Purchase date (year/month /day)			Brand	Description	Packaging	Country of origin
S13-057871	34131	1397317	2013	10	15	Unknown	Yam	Not packed (loose; open)	Unknown
	34131	1397318	2013	10	16	Unknown	Yam	Not packed (loose; open)	Unknown
	34131	1397326	2013	10	16	Unknown	Yam	Not packed (loose; open)	Jamaica
	34131	1397324	2013	10	16	Unknown	Yam	Not packed (loose; open)	Jamaica
	34131	1397325	2013	10	16	Unknown	Yam	Not packed (loose; open)	Unknown
	34131	1397323	2013	10	16	Unknown	Yam	Not packed (loose; open)	Ghana
	34131	1397322	2013	10	21	Unknown	Yam	Not packed (loose; open)	Brazil
	34131	1398143	2013	10	21	Unknown	Yam	Not packed (loose; open)	Ghana
	34131	1397331	2013	10	15	Unknown	Yam	Not packed (loose; open)	Unknown
	34131	1398089	2013	10	16	Unknown	Yam	Not packed (loose; open)	Unknown
S13-057869	34141	1397904	2013	10	22	Sainsbury's	Yogurt	Plastic/plastic film	United Kingdom
	34141	1397903	2013	10	22	Tesco	Yogurt	Plastic/plastic film	United Kingdom
	34141	1397698	2013	10	19	Waitrose	Yogurt	Plastic/plastic film	Greece
	34141	1397714	2013	10	21	Milbona	Yogurt	Combined material	Germany
	34141	1397943	2013	10	23	The Co-operative	Yogurt	Plastic/plastic film	United Kingdom
	34141	1397927	2013	10	23	Marks & Spencer	Yogurt	Plastic/plastic film	United Kingdom
	34141	1397895	2013	10	22	Onken	Yogurt	Combined material	Germany
	34141	1397902	2013	10	22	Asda	Yogurt	Plastic/plastic film	United Kingdom
	34141	1397893	2013	10	22	Morrisons	Yogurt	Combined material	United Kingdom
	34141	1397901	2013	10	23	Brooklea	Yogurt	Plastic/plastic film	United Kingdom