

**Table 1: Limits of detection for foods sampled in multi-element survey of infant foods.
Values adjusted for sample weights (mg/kg)**

	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Formula												
Dried	0.088	0.0011	0.0009	0.034	0.02	0.0021	0.004	0.018	0.0011	0.0005	0.009	0.104
Ready-to-feed	0.088	0.0011	0.0009	0.034	0.02	0.0021	0.004	0.018	0.0011	0.0005	0.009	0.104
Manufactured Meals												
Dried	0.088	0.0011	0.0009	0.034	0.02	0.0021	0.004	0.018	0.0011	0.0005	0.009	0.104
Ready-to-feed	0.022	0.0003	0.0002	0.009	0.005	0.0005	0.001	0.005	0.0003	0.0001	0.002	0.026
Drinks												
Concentrated	0.011	0.0001	0.0001	0.004	0.0025	0.0003	0.0005	0.002	0.0001	0.0001	0.001	0.013
Ready-to-feed	0.011	0.0001	0.0001	0.004	0.0025	0.0003	0.0005	0.002	0.0001	0.0001	0.001	0.013
Rusks												
	0.088	0.0011	0.0009	0.034	0.02	0.0021	0.004	0.018	0.0011	0.0005	0.009	0.104

A lower LOD was achieved for some samples so some positive results below the LODs in this table were reported as a consequence (Annex 1).

Table 2. Mean element concentrations (mg/kg) in infant foods

Food type	Number of samples	Concentration (mg/kg as sold)											
		Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Milk and formulae													
Dried-All	21	1.3	0.006	0.003	0.07	3	0.006	0.004	0.07	0.0025	0.08	0.03	43
Dried (excluding Soya)	18	0.7	0.005	0.002	0.066	2.6	0.005	0.004	0.04	0.0013	0.075	0.027	41
Dried-Soya only	3	4.5	0.01	0.012	0.08	3.4	0.012	0.004	0.23	0.0097	0.14	0.034	52
Ready-to-feed	3	0.08	0.001	0.0004	0.04	0.36	0.0015	0.002	0.02	0.0008	0.02	0.004	6.4
All	24	1.1	0.005	0.003	0.07	2.6	0.005	0.004	0.06	0.002	0.08	0.025	38
Manufactured meals													
Dried	48	3.2	0.05	0.02	0.1	2.1	0.01	0.006	0.3	0.0016	0.06	0.75	41
Ready-to-feed	81	0.8	0.02	0.007	0.035	0.5	0.004	0.002	0.06	0.0019	0.016	0.24	4
All	129	1.7	0.03	0.01	0.06	1.1	0.008	0.003	0.15	0.0018	0.03	0.43	18
Drinks													
Concentrated	5	1.3	0.007	0.002	0.02	0.25	0.01	0.001	0.09	0.001	0.0009	0.02	0.98
Ready-to-feed	6	0.4	0.003	0.0004	0.006	0.035	0.003	0.001	0.009	0.0003	0.0004	0.02	0.12
All	11	0.8	0.005	0.001	0.014	0.13	0.006	0.001	0.04	0.0008	0.0006	0.02	0.5
Rusks													
	10	13	0.01	0.01	0.07	1.3	0.015	0.005	0.07	0.002	0.03	0.01	29
Desserts													
Ready-to-feed: chilled	7	0.5	0.001	0.001	0.02	0.19	0.002	0.001	0.02	0.0004	0.02	0.002	4.4
Ready-to-feed: non-chilled	8	1.1	0.005	0.002	0.03	0.43	0.005	0.001	0.05	0.0005	0.005	0.04	3.3
All	15	0.8	0.003	0.0015	0.025	0.32	0.003	0.001	0.04	0.0005	0.01	0.02	3.8
All FOODS (Summary)													
Dried / Concentrated	74	2.5	0.03	0.013	0.09	2.2	0.012	0.005	0.2	0.0018	0.063	0.49	39
Ready-to-feed	115	1.9	0.02	0.006	0.035	0.5	0.005	0.002	0.06	0.0016	0.015	0.17	6
All	189	2.1	0.02	0.009	0.06	1.2	0.008	0.003	0.12	0.0017	0.034	0.3	19

Table 3a: Estimated dietary exposure of infants to metals from cows' milk based formulae and commercially available infant foods

	Mean intakes calculated using manufacturers' consumption guidelines - mg/kg bw/day				Mean (& 97.5%ile) ^d intakes calculated using NDNS ^c mg/kg bw/day	Safety guideline
	0-3 ^a	4-6 ^a	7-9 ^a	10-12 ^a	7-12 ^{a,b}	
Aluminium	14	142	175	177	22 (76)	JECFA PTWI equivalent to 1000 µg/kg bw/day ¹⁷
Antimony	0.02	0.08	0.15	0.15	0.03 (0.10)	WHO TDI of 0.86 µg/kg bw/day (New TDI of 6 µg/kg bw/day proposed) ^{27,28}
Arsenic	0.09	1.3	1.8	1.8	0.25 (0.87)	JECFA PTWI for inorganic arsenic equivalent to 2.14 µg/kg bw/day ¹⁸ COT has concluded there are no appropriate safety guidelines. ¹⁹
Cadmium	0.04	0.35	0.61	0.64	0.09 (0.31)	JECFA PTWI equivalent to 1 µg/kg bw/day ²⁰
Chromium	1.2	2.9	3.6	3.6	0.65 (1.91)	EVM Guidance Level = of 150 µg/kg bw/day for total dietary intake of trivalent chromium ²⁹
Copper	41	72	78	76	13 (40)	JECFA PMTDI = 500 µg/kg bw/day ²¹ EVM Safe Upper Level = 160 µg/kg bw/day for total dietary intake ²⁹
Lead	0.08	0.37	0.51	0.52	0.08 (0.22)	JECFA PTWI equivalent to 3.6 µg/kg bw/day. ²² COT considered it is not possible to establish a threshold for lead ²³
Mercury	0.07	0.18	0.18	0.19	0.04 (0.11)	JECFA PTWI for methylmercury equivalent to 0.23 µg/kg bw/day ²⁴
Nickel	0.7	4.2	5.8	5.9	0.96 (3.0)	WHO TDI = 5 µg/kg bw/day ²⁷
Selenium	1.3	2.2	2.2	2.1	0.43 (1.42)	The upper limit of the safe range proposed by the WHO was 400 µg/day determined for adults only based on epidemiological data ³⁰ EVM Safe Upper Level = 450 µg/day for total dietary intake, equivalent to 7.5 µg/kg bw/day for a 60 kg adult ²⁹
Tin	0.57	4.6	18.6	18.5	2.6 (8.9)	JECFA PTWI is equivalent to 2000 µg/kg bw/day ²⁵ EVM Guidance Level = 220 µg/kg bw/day for total dietary intake ²⁹
Zinc	756	1262	1089	1062	198 (687)	JECFA PMTDI = 1000 µg/kg bw/day. ²⁶ EVM Safe Upper Level = 42 mg/day (equivalent to 700 µg/kg bw/day in a 60 kg adult) for total dietary intake. ²⁹

Notes:

^a Age range in months

^b Dietary exposure in brackets are for the 97.5th percentile consumers

^c Consumption data taken from *National Diet and Nutrition Surveys Children Aged 11/2-41/2 years*. Volume 1: Report of the diet and nutrition survey, Gregory et.al, HMSO, 1995.

^d The total consumption by the mean and 97.5th percentile consumer for each food type combined is not equal to the sum of the consumption from the individual food types. It refers to a consumer consuming one or any combination of each food type.

Table 3b: Estimated dietary exposure of infants to metals from soya- based formulae and commercially available infant foods (excluding those with an obvious dairy content) using manufacturers' feeding recommendations

	Mean intakes calculated using manufacturers' consumption guidelines - $\mu\text{g}/\text{kg}$ bw/day				
	0-3 ^a	4-6 ^a	7-9 ^a	10-12 ^a	
Aluminium	82	242	222	218	JECFA PTWI equivalent to 1000 $\mu\text{g}/\text{kg}$ bw/day ¹⁷
Antimony	0.18	0.25	0.21	0.20	WHO TDI of 0.86 $\mu\text{g}/\text{kg}$ bw/day (New TDI of 6 $\mu\text{g}/\text{kg}$ bw/day proposed) ^{27,28}
Arsenic	0.18	1.6	2.0	1.9	JECFA PTWI for inorganic arsenic equivalent to 2.14 $\mu\text{g}/\text{kg}$ bw/day ¹⁸ COT has concluded there are no appropriate safety guidelines. ¹⁹
Cadmium	0.22	0.57	0.68	0.72	JECFA PTWI equivalent to 1 $\mu\text{g}/\text{kg}$ bw/day ²⁰
Chromium	1.5	3.3	3.7	3.7	EVM Guidance Level = of 150 $\mu\text{g}/\text{kg}$ bw/day for total dietary intake of trivalent chromium ²⁹
Copper	62	98	82	81	JECFA PMTDI = 500 $\mu\text{g}/\text{kg}$ bw/day ²¹ EVM Safe Upper Level = 160 $\mu\text{g}/\text{kg}$ bw/day for total dietary intake ²⁹
Lead	0.22	0.56	0.59	0.61	JECFA PTWI equivalent to 3.6 $\mu\text{g}/\text{kg}$ bw/day. ²² COT considered it is not possible to establish a threshold for lead ²³
Mercury	0.07	0.19	0.19	0.20	JECFA PTWI for methylmercury equivalent to 0.23 $\mu\text{g}/\text{kg}$ bw/day ²⁴
Nickel	4.2	8.4	7.6	7.9	WHO TDI = 5 $\mu\text{g}/\text{kg}$ bw/day ²⁷
Selenium	2.5	3.5	2.6	2.6	The upper limit of the safe range proposed by the WHO was 400 $\mu\text{g}/\text{day}$ determined for adults only based on epidemiological data ³⁰ EVM Safe Upper Level = 450 $\mu\text{g}/\text{day}$ for total dietary intake, equivalent to 7.5 $\mu\text{g}/\text{kg}$ bw/day for a 60 kg adult ²⁹
Tin	0.62	4.7	19.7	20.1	JECFA PTWI is equivalent to 2000 $\mu\text{g}/\text{kg}$ bw/day ²⁵ EVM Guidance Level = 220 $\mu\text{g}/\text{kg}$ bw/day for total dietary intake ²⁹
Zinc	946	1503	1148	1128	JECFA PMTDI = 1000 $\mu\text{g}/\text{kg}$ bw/day. ²⁶ EVM Safe Upper Level = 42 mg/day (equivalent to 700 $\mu\text{g}/\text{kg}$ bw/day in a 60 kg adult) for total dietary intake. ²⁹

No intakes are given using NDNS data as available consumption data did not allow for robust intakes to be estimated

Notes:

^a Age range in months

^b Dietary exposure in brackets are for the 97.5th percentile consumers

^c Consumption data taken from *National Diet and Nutrition Surveys Children Aged 11/2-41/2 years*. Volume 1: Report of the diet and nutrition survey, Gregory et.al, HMSO, 1995.

^d The total consumption by the mean and 97.5th percentile consumer for each food type combined is not equal to the sum of the consumption from the individual food types. It refers to a consumer consuming one or any combination of each food type.

Annex 1. Element concentrations ($\mu\text{g}/\text{kg}$) in wet meals. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Wet meal from 4 months	Heinz	Organic Garden Vegetables	248	4.5	14.4	79	754	3.1	<1	157	0.4	4.8	<2	2,025
Wet meal from 4 months	Heinz	Baked Beans with Bacon	2,294	3.9	2.3	31	741	3.1	2	54	10.3	18.4	1,168	3,992
Wet meal from 4 months	Heinz	Fisherman's Pie	555	128.8	9.8	17	270	9.0	4	23	12.3	48.6	1,283	4,370
Wet meal from 7 months	Heinz	Spaghetti Bolognese	1,163	4.5	10.0	34	465	6.3	<1	80	7.7	13.6	1,590	4,355
Wet meal from 7 months	Heinz	Cauliflower Cheese Pasta with Potatoes	784	3.5	5.7	45	379	4.2	<1	50	11.1	32.4	520	5,297
Wet meal from 7 months	Heinz	First Hoops Spaghetti Hoops	887	2.2	9.7	68	577	2.9	<1	88	12.8	10.3	2,408	3,967
Wet meal from 7 months	Heinz	Pasta Tubes with Tuna & Garden Vegetables	854	37.6	4.4	36	403	2.0	17	49	0.3	63.0	108	4,450
Wet meal from 4 months	Hipp	Organic Mixed Vegetables	904	3.5	8.3	9	390	7.0	<1	37	<0.3	1.8	<2	1,637
Wet meal from 4 months	Hipp	Organic Vegetables with Rice & Lamb	202	9.0	9.2	<9	402	5.8	<1	26	0.5	11.6	<2	5,720
Wet meal from 4 months	Sainsbury's	Organic Vegetables & Rice with Steak	591	12.7	6.2	<9	585	5.5	<1	35	0.3	7.5	<2	5,240
Wet meal from 4 months	Sainsbury's	Organic Potato Sweetcorn & Turkey Dinner	188	5.9	4.6	<9	399	6.3	<1	34	0.6	13.3	<2	4,010
Wet meal from 7 months	Boots	Savoury Organic Spaghetti Bolognese	572	9.8	8.0	9	548	3.0	<1	43	0.3	9.9	3	5,567
Wet meal from 4 months	Cow & Gate Olvarit	Organic Peas Carrots & Country Chicken	704	16.8	10.2	41	431	6.2	<1	56	<0.3	21.3	146	4,620
Wet meal from 7 months	Baby organix	Organic vegetables with pasta stars & parmesan cheese	823	2.6	10.8	22	664	3.7	<1	31	0.3	11.0	<2	4,589
Wet meal from 7 months	Hipp	Organic vegetables with noodles & chicken	857	2.1	6.7	31	594	3.1	<1	40	0.3	16.6	<2	2,931
Wet meal from 7 months	Heinz	Tender carrots & chicken	282	15.0	4.3	347	186	2.4	<1	30	0.3	17.9	67	2,316
Wet meal from 4 months	Heinz	Carrots & parsnips with chicken	254	11.0	10.1	25	325	6.0	<1	44	0.6	14.3	<2	2,603
Wet meal from 4 months	Heinz	Rice pudding	557	5.3	0.6	9	122	1.9	<1	7	10.7	10.9	490	4,679
Wet meal from 7 months	Boots	Potato, salmon, herbs a la creme	289	72.1	10.5	31	355	2.2	4	40	<0.3	30.4	45	2,445
Wet meal from 7 months	Boots	Savoury Organic vegetables & turkey bake	286	22.0	7.9	<9	338	7.4	<1	24	0.5	20.5	<2	4,310
Wet meal from 4 months	Boots	Savoury sweetcorn & chicken	747	2.6	6.3	<9	552	3.2	<1	23	0.5	15.4	<2	10,046
Wet meal from 4 months	Superdrug	Cheesy vegetable bake	355	0.9	3.2	11	294	2.6	<1	67	<0.3	9.9	74	3,987

Element concentrations ($\mu\text{g}/\text{kg}$) in wet meals continued (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Wet meal from 4 months	Cow & Gate	Cheesy vegetables	642	2.0	3.4	12	234	2.9	<1	22	<0.3	9.7	46	4,070
Wet meal from 4 months	Cow & Gate	Vegetable & turkey casserole	627	15.4	22.2	15	483	2.2	<1	41	0.3	18.5	54	4,579
Wet meal from 7 months	Cow & Gate	Sunday lunch	1,065	3.6	5.5	28	322	3.8	<1	31	0.3	15.0	44	2,560
Wet meal from 7 months	Cow & Gate	Pasta Bolognese	1,311	1.7	9.1	25	440	3.3	<1	33	0.3	23.7	32	6,013
Wet meal from 7 months	Boots	Strawberries & cream	1,183	1.3	9.6	206	141	8.4	<1	146	<0.3	0.8	20	605
Wet meal from 7 months	Boots	Chicken korma	1,153	2.2	7.4	42	353	4.3	<1	53	0.4	11.1	53	2,992
Wet meal from 7 months	Boots	Tomato red pepper & chicken with cous cous	3,483	12.4	8.0	46	658	7.7	1	91	0.3	14.7	73	3,424
Wet meal from 4 months	Boots	Potato & fish pie	201	780.9	11.3	29	295	3.3	8	35	0.5	43.6	138	1,842
Wet meal from 4 months	Cow & Gate	Vegetable & pork casserole	659	2.5	22.6	29	271	2.8	<1	23	0.4	11.6	85	2,811
Wet meal from 7 months	Cow & Gate	Cheesy vegetables & pasta	815	2.6	6.3	14	389	2.8	<1	19	<0.3	30.8	45	4,127
Wet meal from 7 months	Hipp	Organic vegetable lasagne	1,034	4.4	10.3	20	641	5.0	<1	16	0.3	10.9	3	3,140
Wet meal from 7 months	Hipp	Organic vegetable & lamb casserole	264	7.7	2.2	9	334	3.2	<1	23	<0.3	8.4	<2	3,538
Wet meal from 4 months	Heinz	Carrot & lamb with rosemary	568	5.7	3.0	13	298	7.7	<1	14	6.6	6.0	566	5,133
Wet meal from 7 months	Heinz	Minted vegetables with lamb	349	1.6	7.0	19	519	2.7	<1	60	6.4	5.3	1,161	5,742
Wet meal from 7 months	Heinz	Fruity vegetable & chicken risotto	603	27.6	7.8	30	326	9.0	<1	43	<0.3	27.7	73	3,430
Wet meal from 7 months	Heinz	Heinz first soup-Tomato & vegetable	1,330	2.8	11.4	25	721	5.5	<1	174	12.7	13.2	2,175	4,153
Wet meal from 4 months	Heinz	Baby breakfast mixed fruit muesli	827	3.5	1.3	9	451	4.1	1	74	<0.3	8.0	<2	2,727
Wet meal from 4 months	Heinz	Hawaiin vegetable & chicken special	659	3.9	4.9	63	429	2.8	<1	430	<0.3	14.3	12	2,620
Wet meal from 4 months	Cow & Gate	Banana rice pudding	183	9.4	2.5	<9	214	2.1	1	6	<0.3	16.0	139	3,894
Wet meal from 4 months	Cow & Gate	Apricot custard	193	3.6	1.1	13	157	1.3	<1	<5	<0.3	5.5	134	1,781
Wet meal from 7 months	Cow & Gate Olvarit	Organic Mrs Maclachlans mediterranean vegetable & lamb risotto	1,070	11.8	4.1	22	472	2.5	<1	73	<0.3	9.1	35	4,533

Element concentrations ($\mu\text{g}/\text{kg}$) in wet meals continued (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Wet meal from 7 months	Cow & Gate	Vegetable & chicken dinner	470	11.8	5.1	34	446	2.7	<1	49	<0.3	18.0	31	2,942
Wet meal from 4 months	Heinz	Lancashire hotpot	873	9.4	7.3	22	552	3.0	<1	45	<0.3	7.5	<2	5,550
Wet meal from 4 months	Heinz	Organic parsnips & peas	709	2.6	7.5	33	768	5.0	<1	109	<0.3	3.6	<2	3,249
Wet meal from 4 months	Heinz	Baby breakfast creamed porridge	106	1.9	0.9	11	206	1.4	<1	36	<0.3	14.5	<2	4,038
Wet meal from 7 months	Heinz	Cheesy broccoli & potato bake	500	2.6	5.7	34	307	2.4	<1	49	<0.3	10.4	83	2,933
Wet meal from 7 months	Heinz	Pasta twists with tender porkpeppers & cheese	1,111	7.3	9.5	42	595	2.4	<1	93	1.0	50.0	74	6,696
Wet meal from 4 months	Heinz	Creamed potato with broccoli	567	9.8	8.5	127	365	2.8	1	80	0.4	11.4	<2	4,912
Wet meal from 7 months	Heinz	Spaghetti & pork sausage	1,498	4.7	10.7	33	549	2.6	<1	91	0.3	15.0	67	3,960
Wet meal from 7 months	Boots	Chinese stew with sweet & sour pork balls	484	12.8	9.0	37	369	8.7	<1	68	0.5	13.4	49	3,153
Wet meal from 7 months	Boots	Organic applepeach & rice dessert	1,319	15.8	0.6	13	420	5.7	<1	40	0.5	8.3	<2	1,130
Wet meal from 7 months	Boots	Potato & turkey fricassee	717	5.1	6.0	29	356	2.3	<1	25	<0.3	15.0	62	4,037
Wet meal from 7 months	Heinz	Pasta shells with chicken & mushrooms	592	7.5	6.8	144	456	1.7	<1	183	<0.3	36.6	11	5,140
Wet meal from 7 months	Heinz	Pasta alphabet in tomato sauce	1,852	3.5	8.6	42	730	3.9	<1	82	<0.3	14.9	98	3,348
Wet meal from 7 months	Heinz	Mixed Vegetables with Bacon & Barley	923	6.1	10.4	34	657	19.7	<1	105	0.7	9.3	70	4,633
Wet meal, from 12 months	Cow & Gate	Organic Broccoli & Cheese Bake	138	9.8	5.8	22	477	3.9	1	28	0.3	8.5	44	6,293
Wet meal from 4 months	Boots	Savoury Vegetables & Salmon from	774	140.5	7.9	44	551	2.9	4	141	0.6	19.6	<2	9,857
Wet meal from 7 months	Heinz	Vegetable & Chicken Hot Pot	395	9.0	9.5	24	391	12.3	<1	58	9.4	14.7	1,398	3,974
Wet meal from 7 months	Baby Organix	Organic Apple & Oats	1,013	4.1	2.4	15	1,306	2.3	<1	61	0.5	1.7	<2	2,093
Wet meal from 7 months	Sainsbury's	Organic Carrots & Wholegrain Rice	870	16.1	4.9	13	278	5.8	<1	27	0.3	4.5	<2	2,569
Wet meal from 7 months	Heinz	Vegetable & Tomato Pasta Bake	2,302	4.0	9.6	33	470	6.9	1	46	8.9	17.8	1,524	4,839
Wet meal from 7 months	Cow & Gate	Spaghetti Bolognese	1,581	3.7	8.0	25	433	2.5	<1	34	0.3	19.0	38	5,827
Wet meal from 7 months	Cow & Gate	Vegetable & Pork Dinner	559	5.3	5.5	11	276	1.9	<1	24	<0.3	9.2	82	3,229

Element concentrations (µg/kg) in wet meals continued (values in bold are from HG-ICPMS measurements) Element concentrations (µg/kg) in wet meals continued (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Wet meal from 4 months	Baby Organix	Organic Tomato & Chicken Casserole	1,794	4.3	7.1	53	908	2.9	<1	239	<0.3	15.7	165	4,593
Wet meal from 7 months	Heinz	Farmhouse Vegetables & Pork	765	2.3	6.3	26	976	4.0	<1	104	9.4	13.4	1,467	6,141
Wet meal from 7 months	Heinz	Carrots & Parsnips with Chicken	1,726	13.0	14.5	33	606	13.0	<1	101	0.3	16.0	85	3,134
Wet meal from 7 months	Superdrug	Vegetable & Turkey Casserole	974	8.0	4.4	33	376	2.3	<1	42	<0.3	12.2	45	4,387
Wet meal from 7 months	Heinz	Fisherman's Pie	553	91.4	5.2	45	244	2.9	3	34	9.4	31.4	668	2,903
Wet meal from 7 months	Cow & Gate	Vegetables & Macaroni Cheese	923	7.5	5.3	17	332	2.2	<1	33	<0.3	8.2	71	4,480
Wet meal from 7 months	Cow & Gate	Vegetable & Chicken Rissotto	637	11.7	3.8	31	452	1.2	<1	68	<0.3	21.2	41	3,046
Wet meal from 7 months	Sainsbury's	Organic Garden Vegetables with Steak	1,011	1.7	8.9	9	625	7.9	<1	86	0.3	6.0	<2	6,452
Wet meal from 10 months	Heinz	Sunday Lunch Garden Vegetables & Lamb	482	0.8	6.5	16	432	1.9	<1	32	<0.3	4.8	<2	4,642
Wet meal from 10 months	Heinz	Country Vegetables & Chicken	403	3.0	9.6	32	463	3.6	<1	62	<0.3	7.4	<2	2,508
Wet meal from 10 months	Heinz	Vegetables & Tuna Bake	1,179	40.5	12.6	13	555	2.1	19	44	<0.3	70.6	28	3,512
Wet meal from 10 months	Heinz	Sunday Lunch Vegetables & Beef	1,449	2.9	7.0	36	541	3.3	<1	69	0.3	9.0	<2	4,671
Wet meal from 7 months	Sainsbury's	Organic Creamy Vegetables	747	2.9	13.8	<9	449	7.4	<1	33	0.3	5.3	6	3,005
Wet meal from 7 months	Heinz	Organic Sweet Potatoes with Beef	590	5.0	4.6	26	425	3.1	<1	49	0.1	7.4	<2	5,116
Wet meal from 7 months	Cow & Gate	Apple Mango & Banana	205	6.9	3.1	19	387	2.1	<1	41	0.2	3.1	50	1,247
Wet meal from 7 months	Cow & Gate	Mixed Fruit	166	6.4	0.4	13	317	1.9	<1	21	0.2	1.8	72	1,079

Element concentrations (µg/kg) in rusks. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Rusks from 4 months	Heinz/Farley's	Banana reduced sugar	9,873	18.82	10.3	103	1,292	12.5	<4	64	2.0	36.8	<9	7,021
Rusks from 4 months	Heinz/Farley's	Savoury reduced sugar gluten free	4,091	20.01	12.1	104	2,504	40.6	<4	179	2.5	38.7	20	7,803
Rusks from 4 months	Heinz/Farley's	Marmite	6,751	24.48	12.4	117	1,130	9.4	<4	117	2.2	23.9	<9	7,065
Rusks from 4 months	Boots	Lower sugar gluten free ruskmen	1,767	31.98	4.6	47	1,059	31.3	5	48	2.6	36.5	26	58,837
Rusks from 4 months	Heinz/Farley's	Original	12,540	14.53	9.4	102	1,246	9.9	<4	59	1.5	19.2	<9	6,756
Rusks from 4 months	Boots	Savoury Ruskmen with yeast extract	11,399	11.57	9.2	52	715	9.3	<4	67	1.1	19.1	<9	55,627
Rusks from 4 months	Boots	Lower Sugar Ruskmen Apricot Flavour	32,633	4.40	7.9	<34	953	6.8	5	25	<1.1	12.7	<9	65,295
Rusks from 4 months	Boots	Lower Sugar Ruskmen Original Flavour	39,755	4.02	8.2	<34	970	10.3	<4	30	<1.1	9.9	18	64,053
Rusks from 4 months	Kallo	Organic Rusks	8,721	4.87	9.4	48	1,538	11.7	7	67	<1.1	27.7	11	6,183
Rusks from 4 months	Heinz/Farley's	Apple Rusks	5,804	6.43	14.7	79	1,118	6.8	<4	67	<1.1	32.2	<9	6,313

Element concentrations ($\mu\text{g}/\text{kg}$) in dry meals. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Dry meal from 7 months	Heinz/Farley's	Savoury Cheesy Vegetable Pasta	3,831	73.3	11.5	112	2,089	13.8	15	143	4.0	66.4	14	63,721
Dry meal from 4 months	Heinz/Farley's	Savoury Farmhouse Vegetables & Chicken	2,323	100.0	9.8	120	2,145	14.8	17	161	1.1	94.5	13	63,772
Dry meal from 4 months	Boots	Cereal Sunshine Muesli Breakfast	2,379	9.8	6.6	61	1,525	9.8	5	135	1.4	44.6	31	58,094
Dry meal from 7 months	Boots	Tender Lamb & Spring Vegetables	2,912	61.2	9.4	153	1,928	12.0	8	114	1.4	73.7	<9	59,309
Dry meal from 4 months	Cow & Gate	Sunday Dinner (ricebeefveg)	5,793	47.4	41.5	98	4,180	16.1	5	740	2.5	43.2	19	29,912
Dry meal from 4 months	Hipp	Organic Tomato & Carrot Savoury	1,883	119.4	40.1	135	2,716	8.6	5	340	4.3	57.4	<9	16,144
Dry meal from 7 months	Sainsbury's	Shepherds Pie	2,494	55.9	10.4	102	1,906	8.5	5	100	<1.1	77.6	<9	59,000
Dry meal from 4 months	Sainsbury's	Macaroni Cheese	4,847	28.7	9.9	44	1,220	16.2	<4	89	2.0	61.6	<9	53,499
Dry meal from 7 months	Baby Organix	Organic Apple & Banana Muesli	2,409	10.5	14.3	196	2,772	14.5	<4	508	1.8	22.7	<9	12,480
Dry meal from 4 months	Heinz/Farley's	Cauliflower & broccoli cheese	3,145	51.4	7.8	93	1,824	13.1	<4	196	2.5	96.0	26	61,424
Dry meal from 7 months	Heinz/Farley's	Golden vegetables & chicken	3,398	113.9	14.7	123	1,969	20.5	<4	168	1.3	89.6	<9	58,007
Dry meal from 4 months	Milupa	Sweetcorn & leek lyonnaise	816	42.5	34.9	70	1,142	6.5	<4	100	<1.1	78.0	<9	25,417
Dry meal from 7 months	Heinz/Farley's	Peachy porridge	1,908	15.4	12.0	53	2,159	8.2	<4	483	1.6	48.7	6,014	65,877
Dry meal from 4 months	Heinz/Farley's	Mediterranean vegetables & rice	4,048	66.2	13.0	63	2,637	20.4	<4	220	2.0	94.8	17	60,397
Dry meal from 4 months	Baby Organix	Organic baby rice with farmhouse vegetables	3,254	92.7	43.5	94	2,852	21.6	7	438	2.2	22.0	<9	17,128
Dry meal from 7 months	Heinz/Farley's	Sheperds pie with lamb	2,587	48.5	9.3	98	2,482	11.3	<4	217	1.3	81.6	19	59,259

Element concentrations ($\mu\text{g}/\text{kg}$) in dry meals. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Dry meal from 7 months	Heinz/Farley's	Pastini hoops	5,976	3.9	18.7	83	1,711	7.3	14	84	<1.1	36.2	<9	8,523
Dry meal from 7 months	Heinz/Farley's	Banana fool	2,225	32.7	4.6	75	1,172	16.8	<4	100	1.2	97.7	336	63,097
Dry meal from 4 months	Milupa	Normandy pork with apple mash	1,959	36.2	24.0	78	1,576	9.4	<4	95	1.5	39.5	<9	18,433
Dry meal from 7 months	Boots	Vegetable & chicken casserole	2,880	114.4	15.1	145	2,310	18.2	12	134	<1.1	107.1	<9	56,831
Dry meal from 4 months	Boots	Cauliflower & potato bake	3,113	19.7	7.8	118	1,054	13.8	16	96	<1.1	62.6	<9	61,938
Dry meal from 7 months	Boots	Fruit & Muesli Cereal	2,059	5.0	12.3	79	4,380	9.0	6	617	<1.1	131.7	16	24,211
Dry meal from 7 months	Boots	Savoury Sweetcorn	4,824	32.9	9.4	122	1,165	32.1	<4	157	1.2	85.4	16	57,303
Dry meal from 4 months	Milupa	Golden Cornflakes with Apricots	4,262	12.0	9.0	113	1,447	19.8	14	192	<1.1	55.7	13	16,788
Dry meal from 4 months	Milupa	Sunshine Orange	1,542	20.6	7.2	84	815	9.4	<4	81	<1.1	47.1	24	14,154
Dry meal from 4 months	Heinz/Farley's	Breakfast Sunfruit Orange	2,453	26.3	6.0	59	1,461	8.1	<4	191	<1.1	79.5	<9	61,466
Dry meal from 4 months	Heinz/Farley's	Banana Custard	2,080	34.9	4.5	94	946	17.9	8	88	<1.1	85.5	<9	64,077
Dry meal from 7 months	Heinz/Farley's	Fruity Muesli	3,341	19.8	16.3	96	2,036	34.0	<4	449	<1.1	74.1	13,089	64,631
Dry meal from 7 months	Baby Organix	Organic Banana & Fig Muesli	3,296	24.6	31.8	378	3,108	12.8	<4	985	1.8	18.5	<9	15,537
Dry meal, from 6 months	Baby Organix	Organic Rice Cakes	1,119	203.7	113.3	<34	2,806	5.3	4	319	<1.1	39.9	<9	23,931
Dry meal from 7 months	Farleys	Pastini Stars	5,312	2.2	22.0	74	1,880	6.1	15	109	<1.1	26.8	11	8,396
Dry meal, from 6 months	Boots	Rice Cakes	643	218.2	21.7	<34	1,751	3.9	<4	107	2.5	17.2	<9	17,720

Element concentrations ($\mu\text{g}/\text{kg}$) in dry meals continued. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Dry meal from 7 months	Boots	Cheese Spinach & Potato Bake	3,424	39.3	13.8	115	1,611	15.4	<4	154	2.8	86.7	23	61,745
Dry meal from 7 months	Heinz/Farley's	Apricot & Apple Crumble	2,406	19.6	7.8	75	1,458	33.2	<4	179	2.1	73.2	15,837	57,051
Dry meal from 7 months	Hipp	Organic Swiss Muesli Breakfast	2,879	4.5	26.1	<34	4,204	10.7	<4	1395	<1.1	27.1	11	26,630
Dry meal from 4 months	Sainsbury's	Potato Sweetcorn & Leek Pie.	3,302	24.6	7.4	85	1,163	18.3	5	123	<1.1	68.8	<9	57,395
Dry meal from 7 months	Sainsbury's	Summer Fruit Pudding	4,123	31.5	5.5	39	895	44.8	<4	79	1.3	85.6	<9	57,144
Dry meal from 7 months	Sainsbury's	Strawberry & Banana Rice Pudding	3,218	21.9	3.6	87	830	15.9	<4	107	1.3	63.7	12	57,875
Dry meal from 7 months	Sainsbury's	Banana Porridge	2,702	6.7	15.4	51	2,004	6.4	<4	471	1.5	39.3	<9	58,679
Dry meal from 7 months	Sainsbury's	Fruity Yoghurt	5,250	20.2	5.2	67	901	19.1	5	92	<1.1	56.6	<9	47,969
Dry meal from 7 months	Sainsbury's	Tomato & Cheese Bake with Pasta Rings	9,967	56.4	18.3	118	1,892	19.8	<4	185	2.2	65.8	<9	59,713
Dry meal from 4 months	Heinz/Farley's	Organic Country Cereals	1,336	35.4	13.3	<34	3,096	3.9	6	449	<1.1	26.8	11	23,958
Dry meal from 4 months	Heinz/Farley's	Apricot & Strawberry Breakfast	2,555	48.7	7.4	71	2,796	5.1	7	787	<1.1	34.9	16	13,938
Dry meal from 4 months	Heinz/Farley's	Apple & Apricot Muesli	2,467	33.6	12.9	55	3,840	7.4	4	440	<1.1	24.4	29	21,944
Dry meal from 4 months	Heinz/Farley's	Organic Banana Breakfast	1,526	42.2	7.0	37	2,774	3.2	7	662	<1.1	79.0	23	12,817
Dry meal from 7 months	Baby Organix	Apple & Blackberry	3,541	92.4	87.7	593	2,265	27.1	5	242	3.7	18.9	20	11,598
Dry meal from 7 months	Heinz/Farley's	Breakfast Banana Wake-Up	8,087	12.7	9.1	117	1,709	10.5	<4	132	1.1	46.7	<9	54,054
Dry meal from 7 months	Cow & Gate	Orange & Banana Crunchies Breakfast Cereal	450	4.1	10.2	36	2,717	7.5	<4	449	<1.1	17.6	<9	14,914

Element concentrations ($\mu\text{g}/\text{kg}$) in drinks. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Drinks from 4 months	Cow & Gate	Concentrate Apple & Cherry Pure Baby Juice	1,750	13.6	0.3	27	470	18.2	<0.5	44	0.9	0.6	33	443
Drinks from 4 months	Cow & Gate	Concentrate Pear & Peach Baby Juice	1,168	5.9	5.2	36	139	15.0	<0.5	249	1.3	0.3	21	2,069
Drinks from 4 months	Cow & Gate	Ready to feed Apple & Blackcurrant	120	1.9	0.6	7	74	1.8	<0.5	4	0.2	0.6	56	108
Drinks from 4 months	Cow & Gate	Ready to feed Summer fruits	112	2.9	0.5	4	54	2.2	<0.5	6	0.2	0.7	54	107
Drinks from 4 months	Boots	Concentrate orange & rosehip	24	1.1	0.1	7	330	1.6	<0.5	7	0.7	1.3	10	130
Drinks from 4 months	Boots	Ready to drink sugar free purified water with a hint of strawberry	<11.1	0.2	<0.1	<4	<2.5	<0.3	0.7	<2	0.3	<0.1	<1	21
Drinks from 4 months	Heinz	Ready to drink pure apple juice	838	8.4	0.2	11	31	4.7	1.4	20	0.4	0.6	<1	125
Drinks from 4 months	Hipp	Organic ready to drink apple juice & mineral water	628	6.3	0.2	5	36	6.4	<0.5	8	0.8	0.2	<1	212
Drinks from 4 months	Heinz	Concentrate Pear & Cherry Pure Juice	2,834	9.3	3.9	29	248	7.6	1.5	106	3.8	2.0	29	1,943
Drinks	Ribena	Concentrate Toothkind Blackcurrant Juice Drink. No added Sugar	873	3.1	1.4	17	77	5.4	1.1	23	0.1	0.4	<1	327
Drinks	Ribena	Ready to drink Toothkind Blackcurrant Juice Drink. No added Sugar	583	0.7	0.7	6	15	4.0	<0.5	11	0.1	0.1	<1	143

Element concentrations ($\mu\text{g}/\text{kg}$) in chilled and non-chilled desserts. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Chilled dessert from 4 months	Danone Baby	Made with Follow On Milk.Variou flavours	498	0.6	0.5	29	227	2.5	<1	43	0.6	9.2	3	3,969
Chilled dessert from 6 months	Arla Harmonie	Bob The Builder Fromage Frais. Various flavours.	1,553	1.1	3.8	15	120	4.2	<1	31	<0.3	24.2	<2	4,136
Chilled dessert from 4 months	Edan Vale	Munch Bunch Pot Shots. Fromage Frais various flavours	234	<0.3	1.4	11	273	1.9	<1	25	0.3	34.1	<2	6,365
Chilled dessert from 4 months	Arla Harmonie	Organic Baby Yogurt	189	0.7	0.9	10	285	1.1	<1	27	<0.3	9.5	<2	3,587
Dessert from 7 months	Heinz	Organic Apple Crumble with Custard	423	8.6	1.5	<9	541	4.7	<1	17	<0.3	9.8	3	1,901
Dessert from 7 months	Heinz	Organic Banana Cheesecake with Blueberries	400	5.9	1.7	13	454	5.2	<1	33	<0.3	9.8	3	2,249
Dessert from 4 months	Cow & Gate Olvarit	Organic Banana & Apple Custard	481	4.5	1.4	40	325	0.9	<1	43	<0.3	3.7	105	2,175
Dessert from 4 months	Cow & Gate Olvarit	Organic Apple & Peach blended with cereal	1,301	5.6	2.5	30	616	2.7	<1	58	<0.3	0.7	152	1,065
Dessert from 7 months	Boots	Apricot Fool	1,037	1.7	0.4	16	433	6.5	<1	31	0.9	6.8	3	7,827
Dessert from 7 months	Boots	Red Fruit Fool	2,021	2.1	1.3	68	407	9.3	<1	77	1.0	5.0	3	7,495
Dessert from 7 months	Baby Organix	Apples Berries & Cherries	3,364	6.5	4.3	57	473	5.7	<1	103	0.9	2.4	24	1,736
Dessert from 7 months	Hipp	Organic Fruit Duet Mango & Banana with Yogurt	127	5.3	1.3	24	222	2.4	<1	41	<0.3	4.3	<2	2,134
Chilled dessert from 6 months	Muller	Fromage Frais	114	1.1	0.4	<9	212	0.5	<1	<5	<0.3	25.9	<2	3,800
Chilled dessert from 4 months	Yoplait	Petit Filous Fromage Frais.	369	1.0	0.3	19	97	0.9	<1	11	0.9	18.9	<2	3,954
Chilled dessert from 6 months	Yeo Valley	Organic Fruit Yogurt	266	1.2	<0.2	22	116	2.6	<1	7	<0.3	12.7	<2	5,070

Element concentrations (µg/kg) in milks. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Infant formula from birth onwards	Wyeth (SMA)	Gold First Infant Milk.	1,278	7.3	<0.9	63	2,136	<2.1	<4	48	<1.1	118.0	68	50,506
Infant formula from birth onwards	Cow & Gate	Premium First	660	8.1	4.5	68	3,135	<2.1	<4	24	<1.1	109.3	<9	41,880
Infant formula from birth onwards	Farley's	First Milk	1,211	6.7	1.5	74	3,036	11.3	<4	44	1.2	42.9	38	28,332
Infant formula from birth onwards	Milupa	Aptamil First	592	3.4	3.2	71	3,154	5.4	<4	66	<1.1	44.4	<9	40,439
Infant formula from birth onwards	Boots	Formula 1	1,179	6.7	<0.9	71	2,855	4.4	<4	34	<1.1	54.6	64	37,208
Infant formula from birth onwards	Hipp	Organic	864	5.8	1.3	38	1,187	4.6	<4	55	<1.1	32.6	<9	39,836
Ready to feed Infant formula from birth onwards	Wyeth (SMA)	Gold First	71	0.8	<0.2	45	363	0.4	<1	13	<0.2	25.5	<2	6,354
Infant formula follow on	Wyeth (SMA)	Progress Follow on	433	4.1	<0.9	<34	2,718	2.2	<4	38	<1.1	130.3	15	48,396
Infant formula follow on.	Cow & Gate	Step Up Follow On	391	2.7	4.7	54	3,034	<2.1	<4	30	<1.1	97.0	11	63,710
Infant formula for hungrier babies	Farley's	Second Milk	486	7.4	<0.9	68	3,374	<2.1	<4	29	<1.1	48.3	24	32,399
Infant formula follow on.	Milupa	Forward 2	320	2.9	0.9	58	4,548	<2.1	<4	76	2.1	80.7	16	37,671
Infant formula follow on.	Boots	Follow On	952	7.3	1.1	42	4,100	11.7	5	43	1.8	71.8	<9	33,138
Infant formula follow on	Hipp	Organic Follow on	1,521	5.7	1.1	75	1,545	7.8	<4	48	1.3	42.8	<9	45,612
Ready to feed Infant formula follow on	Wyeth (SMA)	Progress	<88.5	<1.1	<0.9	<34	363	<2.1	<4	<18	<1.1	19.7	<9	6,822
Infant formula for hungrier babies	Wyeth (SMA)	White	366	<1.1	0.2	64	2,557	3.6	5	<18	<1.1	135.9	66	46,538
Infant formula for hungrier babies	Cow & Gate	Plus 1	393	<1.1	5.4	56	2,630	2.3	<4	23	<1.1	52.2	10	40,808

Element concentrations ($\mu\text{g}/\text{kg}$) in milks continued. (values in bold are from HG-ICPMS measurements)

Product type	Brand	Variety / flavour	Al	As	Cd	Cr	Cu	Pb	Hg	Ni	Sb	Se	Sn	Zn
Infant formula for hungrier babies	Milupa	Aptamil Extra Stage 1	184	4.0	3.3	94	2,569	3.9	<4	39	<1.1	74.3	<9	49,716
Infant formula for hungrier babies	Boots	Formula 2	172	3.1	<0.9	125	2,113	6.3	<4	23	<1.1	55.6	106	36,671
Ready to feed Infant formula for hungrier babies	Wyeth (SMA)	White	<88.5	<1.1	<0.1	<34	340	<2.1	<1	<18	<1.1	18.5	<2	5,998
Soya Infant formula from birth onwards	Wyeth (SMA)	Wysoy	2,702	5.8	8.3	53	3,103	6.8	<4	193	21.1	166.9	20	52,629
Soya Infant formula from birth onwards	Cow & Gate	Infasoy	6,769	10.3	20.7	126	3,330	9.4	<4	263	4.0	185.1	73	61,582
Soya Infant formula from birth onwards	Farley's	Soya formula	4,105	13.9	8.0	70	3,819	19.7	<4	243	4.0	62.8	<9	42,191
Infant formula from birth onwards	Farley's	Follow On	1,085	11.0	1.1	47	3,244	7.0	<4	55	1.8	81.1	<9	32,053
Infant formula follow on	Boots	Strawberry Flavour	1,068	6.6	0.9	88	3,846	8.7	<4	35	2.3	80.2	12	35,293