



Swiss Federal Office of Public Health; 2004-06-22

## List for experts

### overview furan determinations

specifications of the method used:

limit of quantitation: about 1-10 ppb, usually 1-2 ppb

1 ppb = 1 µg/kg

n.d. = not detected

v = visible

The variation within the same product may be relative high.

No.	sample description	concentration [ppb]	ingredients in more detail; but usually not complete, minor ingredients not always listed
<b>Baby Food in small glass jars containing meat</b>			
2037	veal and broccoli (organic)	42	potato flakes, broccoli 14%, veal 10%
2109	Swiss veal and broccoli (organic), may be similar to 2037	45	potato flakes, broccoli 14%, veal 10%
2040	(organic) "Aelpler Macaroni"	25	skim milk, potato flakes, ham (pork) 8%, pasta 5%, cheese 4%
2073	Pasta Bolognese (organic)	34	vegetable 45%: tomatoes (from concentrate), carrots, onions; beef 10%, rice flour, pasta 4.5%
2106	vegetable with ham (organic)	31	carrots 28%, potato flakes 8%, sweet fennel 5%, spinach 2%, ham (pork)
2107	veal potatoes (organic)	21	veal 30%, potato flakes 25%
2108	Swiss beef (organic)	5	beef 40%, rice flour
2110	poultry with vegetable and rice (organic)	16	carrots 12%, sweet fennel 3%, celeriac 3%, turkey 10%, rice flour
2111	vegetable meat "polenta" (corn) (organic)	31	tomatoes from concentrate 9%, carrots 7%, broccoli 7%, onions 1%, semolina of maize 6%, turkey 5%, veal 5%
2115	carrots-potatoes-chicken (organic)	42	carrots 36%, potatoes 16,5%, chicken 8%
2117	vegetable-veal (organic)	51	potatoes, carrots, tomato puree, parsnips, peas, onions, leek, veal 8,5%
2118	carrots-spaghetti-veal (organic)	45	carrots 35%, parsnips, tomato puree, maize, leek, spaghetti boiled 11%, veal 8%
2119	carrots-rice-turkey (organic)	26	carrots 47%, semolina of rice boiled 24%, turkey 8%
2120	vegetable-pasta-ham (organic)	42	carrots, tomato puree, peas, pasta boiled 10,5%, ham 8%
<b>Baby Food in small glass jars vegetable (mainly)</b>			
2038	"pumpkin-magic" (organic)	80	carrots 31%, potato flakes 30%, pumpkin 13%
2071	"pumpkin-magic" (organic); similar to 2038	64	carrots 31%, potato flakes 30%, pumpkin 13%
2039	vegetarian meal (organic)	53	vegetable 52%: carrots, potato flakes, sweet fennel, celeriac, spinach; tofu 8%
2072	vegetarian meal (organic); similar to 2039	35	vegetable 52%: carrots, potato flakes, sweet fennel, celeriac, spinach; tofu 8%
2080	vegetable dish (organic)	35	carrots, potatoes, Blumenkohl, peas (vegetable 73%)
2081	cream vegetable (organic)	17	parsnips, skimmed milk, potatoes, cauliflower, semi-cream 4%, parsley, (vegetable 60,5%)
2082	carrots	25	carrots 76%
2103	carrots potatoes (organic)	31	carrots, potato flakes
2104	carrots, sweet fennel, potatoes (organic)	44	carrots, potato flakes, sweet fennel
2105	vegetable dish (organic)	49	carrots 30%, potato flakes 20%, celeriac 6%, spinach 3%
2116	zucchini purée (organic)	68	zucchini 30%, potatoes 30%, peas, parsnips
2121	tender garden vegetables (organic)	47	vegetable 81%: carrots, potatoes, maize, sweet fennel, parsnips
2122	garden carrots (organic)	16	carrots 75%
2142	cauliflower with potatoes and broccoli (demeter)	27	potatoes 30%, cauliflower 10%, broccoli 10%, rice flour
2143	spinach with rice (demeter)	32	spinach 20%, potatoes, rice 10%
2144	carrots with potatoes (demeter)	42	carrots 65%, potatoes 20%
2145	zucchini and pumpkin with potatoes (demeter)	25	potatoes 18%, zucchini 12%, pumpkin 12%, rice flour
2146	carrots with apple (demeter)	25	carrots 70%, apples 20%
2147	pumpkin with potatoes (demeter)	34	potatoes 30%, pumpkin 22%, rice flour
2148	carrots (demeter)	34	carrots 80%
2149	vegetable mixture (demeter)	51	vegetable 85% (carrots, potatoes, spinach, tomatoes, leek)
2150	vegetable risotto (demeter)	45	vegetable 59% (carrots, potatoes, tomatoes, spinach), rice 3%



	<b>Baby Food in small glass jars fruit (mainly)</b>		
2067	apple-apricot (organic)	4	apples (75%), apricots 15%, cane sugar, rice flour
2068	fruit puree exotic (organic)	2	fruit 50%: banana puree, peach, pineapple, cane sugar 8%, rice flour
2069	semolina (organic)	1	berries 18% (strawberries, blueberries), cane sugar 10%, semolina of durum wheat 6.5%
2070	fruit snack (organic)	16	fruit 67%: apples, pears; potato flakes 21%
2074	fruit cocktail	2	fruit puree 91.2%: apples, apricots, pineapples, pears, bananas; orange juice from concentrate, sugar
2133	fruit cocktail, similar to 2074	2	fruit puree 91.2%: apples, apricots, pineapples, pears, bananas; orange juice from concentrate, sugar
2075	apple-banana	2	apples 83.8%, banana puree 16%
2076	apples and pears (organic)	2	apples 70%, apple juice 19.8%, pears 6%
2077	apricot apple dessert	2	low acid apple juice, apricots 25%, apples 23%
2078	bananas (organic)	3	bananas 70%, apple juice
2079	apples and blueberries (organic)	2	apples 42%, blueberries 17%, low acid apple juice
2083	fruit - wholemeal - muesli	8	61% fruit: apples, bananas, apricots; wheat flour, cane sugar, oat flour
2098	granny's apple puree (organic)	3	apples 78%
2099	rusk with fruits (organic)	9	bananas 27%, apples 13%, rusk (zwieback) 5%
2100	semolina with apricots (organic)	13	apricots 8%, cane sugar, semolina of durum wheat, skim milk powder, bananas
2101	bananas apricots (organic)	6	84% fruit: bananas, apricots
2102	Birchermusli (organic)	5	skim milk, apples 20%, bananas 15%, raspberry 10%, sultanas 5%, oat flakes 4.3%
2112	cereals apple with rice (organic)	1	apples 60%, rice 21%, (flour partially converted to starch sugar, semolina), apple juice from concentrate 18%
2113	cereals peach banana (organic)	2	banana 25%, peach 25%, rice 20%
2114	cereals fruit cocktail (organic)	6	fruit puree 46%: apple, mango, banana; oat flour partially converted to starch sugar 24.5%, fruit concentrate 4.5% (orange, pineapple)
2128	baby fruit fruit basket with straw berries	1	apple puree 62%, banana puree 19%, strawberry puree 15%, concentrated apple juice
2129	Baby Fruit fruit cocktail with apricots	4	fruit cocktail 92% (apple, apricot, pear, peach), cereals 4% wholemeal wheat flour partially converted to starch sugar
2130	Baby Fruit fruit magic with honey	1	apple puree 76%, peach puree 18%, honey 4%, concentrated apple juice
2131	apricot apple	2	apricot puree 46.5%, apples 45.5%, sugar
2132	apple banana	1	apples 83.8%, banana puree 16%
2134	pear	3	pears 95%, sugar
2135	Birchermusli (organic)	7	fruit 30% (apples, apricots, bananas), pear juice concentrate, oat flakes, sultanas 5%
2136	apple and pear with wholemeal flakes (organic)	7	apples 22%, pears 13%, pear juice concentrate, wholemeal wheat flour, wholemeal wheat flakes, lemon juice 4%
2137	apple and blueberry with wholemeal flakes (organic)	12	apples 30%, pear juice concentrate, blueberries 5%, wholemeal wheat flakes 4%
2138	apple and banana with wholemeal flakes (organic)	8	apples 20%, bananas 15%, pear juice concentrate, wholemeal wheat flakes 4%
2139	apple-banana with apricots (organic)	2	apples 26%, bananas 16%, pear juice concentrate, rice starch, apricots 4%, lemon juice 4%
2140	delicious apple (organic)	2	apples 45%, pear juice concentrate, rice flour, lemon juice
2141	delicious banana with semolina (organic)	5	banana 21%, pear juice concentrate, semolina of durum wheat 6%, lemon juice
	<b>fruit and vegetable juices for babies and young children</b>		
2124	carrot juice (organic)	40	carrot juice 99.9%, vitamin C
2123	orange juice + vitamin C	2	orange juice from concentrate, vitamin C
2125	apple-grape juice (organic)	4	fruit juices from concentrates 85% (grapes, apples, pears, redcurrants)
2126	apple-pear juice (organic)	1	fruit juices from concentrates 100% (apples, pears), vitamin C
	<b>canned or jarred vegetables</b>		
2041	lentils with bacon	5	lentils 87%, smoked bacon 7 %
2042	lentils	3	lentils 95%, vegetable oils, bouillon
2043	fine bean (grean)	11	beans, salt
2044	chickpeas boiled	7	chickpeas, produced from dried chickpeas, salt
2045	"Russian salad"	6	carrots, potatoes, peas, Bohnen, Kochsalz, Zucker
2046	vegetable dish (type huntsman)	3	peas, carrots, black salsify 8.5%, egg-mushroom 4.5%, salt, sugar
2047	peas with carrots extra fine	3	peas, carrots, salt, sugar
2048	haricot beans boiled	8	beans, produced from dried beans, salt
2049	haricot beans (ready to eat)	12	haricot beans 40%, tomato puree (concentrate), vegetable oil, salt, wheat flour, sugar, vegetable concentrate, (carrots, celeriac, head lettuce, beetroot, parsley, water cress, spinach)



2057	sweet corn	< 3, v	sweet corn, sugar, salt
2156	baby carrots	6	baby carrots, sugar, salt
2159	Mixed Pickles	< 2, v	gherkins, baby corn, cauliflower, onions, sweet pepper, carrots, celeriac, sweet fennel, alcohol and grape vinegar, sugar, salt
2160	asparagus (white)	< 2, v	asparagus, salt
2161	green asparagus	< 2, v	green asparagus, salt
2178	small potatoes	< 3, v	potatoes, salt
<b>canned fruits</b>			
2157	plum	< 1, v	plum, sugar
2158	fruit cocktail	6	fruits (peaches, pears, pineapples, grapes, cherries), sugar
<b>canned soup</b>			
2050	"Minestrone" (vegetable soup with pasta)	19	tomato puree, carrots, potatoes, celeriac, borlotti beans, leek, cabbage, pasta, vegetable oil, processed cheese, salt, onions
2051	goulash soup	43	potatoes 16%, beef 15%, onions, animal fats and oils partially hydrogenated, sweet pepper, wheat flour, spices, tomato puree (concentrate), soy sauce
<b>tins containing meat</b>			
2052	corned beef	4	beef, nitrite brining salt, sugar
2056	"egg-ravioli" (pasta with pork filling)	14	
<b>"sugo", tomato and chili sauces (with or without meat (canned or jarred))</b>			
2053	"sugo" tomato sauce with mincemeat	39	tomato puree 23%, meat 13% (turkey, beef), carrots, salt, sugar, modified corn starch, dried onions
2095	"sugo" tomato sauce with mincemeat, similar to 2053	17	tomato puree 23%, meat 13% (turkey, beef), carrots, salt, sugar, modified corn starch, dried onions
2054	sweet chili sauce	6	sugar, rice vinegar with chili (6%), garlic, salt
2055	hat chili sauce	6	rice vinegar, chillies (40%), salt, modified starch
2084	tomato sauce "Napoletana"	4	tomato puree (38,5%), tomato puree (concentrate), carrots (8,3%), onions (5%), sunflower oil, salt, basil (1%)
2085	tomato sauce with tuna	6	tomato puree (23%), tuna in olive oil (14%), tomato puree (concentrate), sunflower oil (6,6%), onions, modified starch
2086	tomato sauce with bacon "Amatriciana"	19	tomatoes 60%, bacon 15%, onions 6%, tomato puree (concentrate), olive oil, sugar, rice starch
2087	Italian peeled tomatoes	8	tomatoes, tomato juice
2092	tomato sauce with basil	5	tomato flesh 76%, tomato puree 12,1%, olive oil, onions, basil 1,5%, sugar
2093	tomato sauce "Napoletana"	7	tomato flesh 66,8%, tomato puree 10,1%, onions 7%, carrots, olive oil 3,5%, salt, sugar
2094	tomatosauce "Arrabbiata"	5	tomato flesh 83%, tomato puree 7,9%, olive oil, paprika 2%, salt
2096	peeled tomatoes "Pelati"	5	peeled tomatoes, tomato juice
2179	tomato puree (doppio concentrato di pomodoro)	< 4, v	tomatoes, salt
<b>soy sauce, hydrolysed vegetable protein</b>			
2058	liquid hydrolysed vegetable protein (soy sauce)	18	
2059	soy sauce naturally brewed	91	
2088	high quality soy sauce	29	
2089	liquid hydrolysed vegetable protein (soy sauce)	18	
2090	spicy soy sauce	50	
2091	sweet soy sauce	78	
2097	dark soy sauce	58	
<b>vegetable, fresh</b>			
2062	head lettuce	< 1, n.d.	
2062-2	head lettuce	< 1, n.d.	
2063	lollo lettuce (red)	< 1, n.d.	
2063-2	lollo lettuce (red)	< 1, n.d.	
2064	carrots	< 1, n.d.	
2065	sweet fennel (organic)	< 1, n.d.	
2066	leek	< 2, n.d.	



	<b>coffee</b>		
c01	ground coffee (powder)	959	
c01	ground coffee (powder)	1022	
c101	coffee (brewed, filtered coffee of c01, a few hours in thermos)	13	
c102	coffee (brewed, vending machine)	58	
c103	coffee (espresso, brewed, vending machine, same coffee beans as c102)	78	
c104	coffee (brewed, professional machine)	105	
c105	coffee (espresso, brewed, professional machine)	146	
c106	coffee (brewed, professional machine)	46	
c107	coffee (espresso, brewed, professional machine)	109	
c02	ground coffee (powder)	2740	
c108	coffee (espresso, brewed of c02, simple piston machine)	74	
c01-1	ground coffee (powder)	1438	
c109	coffee (brewed, filtered coffee of c01-1)	40	
	<b>hot chocolate and malt beverage</b>		
2202	Ovomaltine (beverage from vending machine)	<2, v	
2203	hot chocolate (beverage from vending machine)	<2, v	
	<b>bread, toast</b>		
2151	butter toast (out of the packet)	<2, n.d.	wheat flour, butter fat 8%, yeast, salt, sugar, skim milk powder, malt extract, milk sugar, malt flour, flour improver: ascorbic acid
2151-ht	butter toast, light toasted	<2, n.d.	
2151-dt	butter toast, dark toasted	18	
2154	"Rustico" toast (out of the packet)	<2, n.d.	wholemeal wheat flour, wheat flour, canola oil, malt vinegar, skim milk powder, yeast, salt, sugar, milk sugar, flour improver: ascorbic acid
2154-ht	"Rustico" toast, light toasted	<2, n.d.	
2154-dt	"Rustico" toast, dark toasted	<8, v	
2177	bread	30	wheat flour, wholemeal flour (wheat, rye, oat, barley), salt, yeast, dried sour dough, malt flour from barley
	<b>other samples</b>		
2061	whole milk UHT	<0.5, n.d.	
2152	plum beverage	6	extract of dried plums (800 g plums gives 0.75L beverage), 30% apple juice from concentrate, 2% lemon juice from concentrate
2153	beetroot juice with fruit juices (organic)	1	beetroot juice 89%, pear juice, lemon juice concentrate
2155	potato flakes for mashed potatoes (flakes, not prepared)	<5, n.d.	potatoes 99%