

## SCHEDULE 2

Regulations 2(1) and 3(5)

**Conditionally Permitted Preservatives and Antioxidants****Part A****Sorbates, benzoates and p-hydroxybenzoates**

EC No.	Name	Abbreviation
E 200	Sorbic acid	Sa
E 202	Potassium sorbate	Sa
E 203	Calcium sorbate	Sa
E 210	Benzoic acid	Ba
E 211	Sodium benzoate	Ba
E 212	Potassium benzoate	Ba
E 213	Calcium benzoate	Ba
E 214	Ethyl p-hydroxybenzoate	PHB
E 215	Sodium ethyl p-hydroxybenzoate	PHB
E 216	Propyl p-hydroxybenzoate	PHB
E 217	Sodium propyl p-hydroxybenzoate	PHB
E 218	Methyl p-hydroxybenzoate	PHB
E 219	Sodium methyl p-hydroxybenzoate	PHB

<sup>a</sup> <sup>(1)</sup> Benzoic acid may be present in certain fermented products resulting from the fermentation process following good manufacturing practice.

**Notes**

- The levels of all substances mentioned above are expressed as the free acid.
- The abbreviations used in the table mean the following:
  - Sa + Ba: Sa and Ba used singly or in combination
  - Sa + PHB: Sa and PHB used singly or in combination
  - Sa + Ba + PHB: Sa, Ba and PHB used singly or in combination.
- The maximum levels of use indicated refer to foods ready for consumption prepared following manufacturers' instructions.

Food	Maximum level (mg/kg or mg/l as appropriate)					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + PHB
Wine-based flavoured drinks including products covered by Regulation	200					

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<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate)</i>					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + BHB
<i>(EEC)</i>						
<i>No. 1601/91(1)</i>						
Non-alcoholic flavoured drinks (excluding dairy-based drinks)	300	150		250 Sa + 150 Ba		
Liquid tea concentrates and liquid fruit and herbal infusion concentrates				600		
Grape Juice, unfermented, for sacramental use				2000		
Wines as referred to in Regulation	200					
<i>(EEC)</i>						
<i>No. 822/87(2);</i>						
alcohol-free wine; fruit wine (including alcohol-free); <i>made wine</i> ; cider and perry (including alcohol-free)						
<i>Sød . . . Saft or Sødet . . . Saft</i>	500	200				
Alcohol-free beer in keg		200				

(1) O.J. No. L149, 14.6.91, pp. 1-9  
 (2) O.J. No. L84, 27.3.87, p. 1

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<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate)</i>					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + BHB
Mead	200	200		400		
Spirits with less than 15% alcohol by volume						
Fillings of ravioli and similar products	1000					
Low-sugar jams, jellies, marmalades and similar low calorie or sugar-free products and other fruit-based spreads; Mermeladas		500		1000		
Candied, crystallised and glacé fruit and vegetables; Mermeladas				1000		
Dried fruit	1000					
<i>Frugtgrød</i> and <i>Rote Grütze</i>	1000	500				
Fruit and vegetable preparations including fruit-based sauces, excluding purée, mousse, compote, salads and similar products, canned or bottled	1000					
Vegetables in vinegar,				2000		

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<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate)</i>					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + BHB
brine or oil (excluding olives)						
Potato dough and pre-fried potato slices	2000					
<i>Gnocchi</i>	1000					
<i>Polenta</i>	200					
Olives and olive-based preparations	1000					
Jelly coatings of meat products (cooked, cured or dried); Paté					1000	
Surface treatment of dried meat products						<i>quantum satis</i>
Semi-preserved fish products including fish roe products				2000		
Salted, dried fish				200		
Shrimps, cooked				2000		
<i>Crangon crangon</i> and <i>Crangon vulgaris</i> , cooked				6000		
Cheese, pre-packed, sliced	1000					

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Food	Maximum level (mg/kg or mg/l as appropriate)					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + BHB
Unripened cheese	1000					
Processed cheese	2000					
Layered cheese and cheese with added foods	1000					
Non-heat-treated dairy-based deserts				300		
Curdled milk	1000					
Liquid egg (white, yolk or whole egg)				5000		
Dehydrated, concentrated, frozen and deep-frozen egg products	1000					
Pre-packed sliced bread and rye-bread	2000					
Partially baked, pre-packed bakery wares intended for retail sale	2000					
Fine bakery wares with a water activity of more than 0.65	2000					
Cereal- or potato-based					1000 (max. 300 PHB)	

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Food	Maximum level (mg/kg or mg/l as appropriate)					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + BHB
snacks and coated nuts						
Batters	2000					
Confectionery (excluding chocolate)						1500 (max. 300 PHB)
Chewing gum				1500		
Toppings (syrups for pancakes, flavoured syrups for milkshakes and ice cream; similar products)	1000					
Fat emulsions (excluding butter) with a fat content of 60% or more	1000					
Fat emulsions with a fat content less than 60%	2000					
Emulsified sauces with a fat content of 60% or more	1000					
Emulsified sauces with a fat content less than 60%	2000					
Non-emulsified sauces				1000		

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<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate)</i>					
	Sa	Ba	PHB	Sa + Ba	Sa + PHB	Sa + Ba + BHB
Prepared salads				1500		
Mustard				1000		
Seasonings and condiments				1000		
Liquid soups and broths (excluding canned)				500		
Aspic	1000	500				
Liquid dietary food supplements						2000
Dietetic foods intended for special medical purposes excluding foods for infants and young children as referred to in Directive 89/398/EEC — dietetic formulae for weight control intended to replace total daily food intake or an individual meal				1500		

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## Part B

### Sulphur dioxide and sulphites

<i>EC No.</i>	<i>Name</i>
E 220	Sulphur dioxide
E 221	Sodium sulphite
E 222	Sodium hydrogen sulphite
E 223	Sodium metabisulphite
E 224	Potassium metabisulphite
E 226	Calcium sulphite
E 227	Calcium hydrogen sulphite
E 228	Potassium hydrogen sulphite

#### Notes

1. Maximum levels are expressed as SO<sub>2</sub> in mg/kg or mg/l as appropriate and relate to the total quantity, available from all sources.
2. An SO<sub>2</sub> content of not more than 10 mg/kg or 10 mg/l is not considered to be present.

<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate) expressed as SO<sub>2</sub></i>
<i>Burger meat</i> with a minimum vegetable and/or cereal content of 4%	450
<i>Breakfast sausages Longaniza fresca</i> and <i>Butifarra fresca</i>	450 450
Dried salted fish of the 'Gadidae' species	200
Crustaceans and cephalopods	
— fresh, frozen and deep-frozen crustaceans, <i>penaeidae solenoceridae, aristeidae</i> family:	150(3)
— up to 80 units	150(3)
— between 80 and 120 units	200(3)
— over 120 units	300(3)
— cooked	50(3)
Dry biscuit	50
Starches (excluding starches for weaning foods, follow-on formulae and infant formulae)	50
Sago	30
Pearl barley	30

- (3) In edible parts  
(3) In edible parts  
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<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate) expressed as SO<sub>2</sub></i>
Dehydrated granulated potatoes	400
Cereal- and potato-based snacks	50
Peeled potatoes	50
Processed potatoes (including frozen and deep-frozen potatoes)	100
Potato dough	100
White vegetables, dried	400
White vegetables, processed (including frozen and deep-frozen white vegetables)	50
Dried ginger	150
Dried tomatoes	200
Horseradish pulp	800
Onion, garlic and shallot pulp	300
Vegetables and fruits in vinegar, oil or brine (except olives and golden peppers in brine)	100
Golden peppers in brine	500
Processed mushrooms (including frozen mushrooms)	50
Dried mushrooms	100
Dried fruits	
— apricots, peaches, grapes, prunes and figs	2000
— bananas	1000
— apples and pears	600
— other (including nuts in shell)	500
Dried coconut	50
Candied, crystallised or glacé fruit, vegetables, angelica and citrus peel	100
Jam, jelly and marmalade as defined in Directive 79/693/EEC(4) (except extra jam and extra jelly) and other similar fruit spreads including low-calorie products	50
<i>Jams, jellies and marmalades</i> made with sulphited fruit	100
Fruit-based pie fillings	100
Citrus-juice-based seasonings	200

(4) O.J. No. L205, 13.8.79, p. 5

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<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate) expressed as SO<sub>2</sub></i>
Concentrated grape juice for home wine-making	2000
<i>Mostarda di frutta</i>	100
Jellying fruit extract, liquid pectin for sale to the final consumer	800
Bottled whiteheart cherries, rehydrated dried fruit and lychees	100
Bottled, sliced lemon	250
Sugars as defined in Directive <a href="#">73/437/EEC</a> (5) except glucose syrup, whether or not dehydrated	15
Glucose syrup, whether or not dehydrated	20
Treacle and molasses	70
Other sugars	40
Toppings (syrups for pancakes, flavoured syrups for milkshakes and ice cream; similar products)	40
Orange, grapefruit, apple and pineapple juice for bulk dispensing in catering establishments	50
Lime and lemon juice	350
Concentrates based on fruit juice and containing not less than 2.5% barley ( <i>barley water</i> )	350
Other concentrates based on fruit juice or comminuted fruit; <i>capilé groselha</i>	250
Non-alcoholic flavoured drinks containing fruit juice	20 (carry-over from concentrates only)
Non-alcoholic flavoured drinks containing at least 235 g/l glucose syrup	50
Grape juice, unfermented, for sacramental use	70
Glucose-syrup-based confectionery	50 (carry-over from the glucose syrup only)
Beer including low-alcohol and alcohol-free beer	20
Beer with a second fermentation in the cask	50
Wines	in accordance with Regulations (EEC) No. 822/87, (EEC) No. 4252/88(6), (EEC) No. 2332/92(7) and (EEC) No. 1873/84(8)

(5) O.J. No. L356, 27.12.73, p. 71

(6) O.J. No. L373, 31.12.88, p. 59

(7) O.J. No. L231, 13.8.92, p. 1

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<i>Food</i>	<i>Maximum level (mg/kg or mg/l as appropriate) expressed as SO<sub>2</sub></i>
	and their implementing regulations; ( <i>pro memoria</i> ) in accordance with Regulation (EEC) No. 1873/84 authorising the offer or disposal for direct human consumption of certain imported wines which may have undergone oenological processes not provided for in Regulation (EEC) No. 337/79 <sup>(9)</sup>
Alcohol-free wine	200
<i>Made wine</i>	260
Cider, perry, fruit wine, sparkling fruit wine (including alcohol-free products)	200
Mead	200
Fermentation vinegar	170
Mustard, excluding Dijon mustard Dijon mustard	250 500
Gelatin	50
Vegetable- and cereal-protein-based meat, fish and crustacean analogues	200

## Part C

### Other preservatives

<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Maximum level</i>
E 230	Biphenyl, diphenyl	Surface treatment of citrus fruits	70 mg/kg
E 231	Orthophenyl phenol	Surface treatment of citrus fruits	12 mg/kg individually or in combination expressed as orthophenyl phenol
E 232	Sodium orthophenyl phenol	Surface treatment of citrus fruits	12 mg/kg individually or in combination expressed as orthophenyl phenol
E 233	Thiabendazole	Surface treatment of: — citrus fruit — bananas	6 mg/kg 3 mg/kg

<sup>(8)</sup> O.J. No. L176, 3.7.84, p. 6

<sup>(9)</sup> O.J. No. L54, 5.3.79, p. 1

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<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Maximum level</i>
E 234	Nisin( <b>10</b> )	Semolina and tapioca puddings and similar products	3 mg/kg
		Ripened cheese and processed cheese	12.5 mg/kg
		<i>Clotted cream</i>	10 mg/kg
E 235	Natamycin	Surface treatment of: — hard, semi-hard and semi-soft cheese — dried, cured sausages	1 mg/dm <sup>2</sup> surface (not present at a depth of 5 mm)
E 239	Hexamethylene tetramine	<i>Provolone</i> cheese	25 mg/kg residual amount, expressed as formaldehyde
E 242	Dimethyl dicarbonate	Non-alcoholic flavoured drinks	250 mg/l ingoing amount, residues not detectable
		Alcohol-free wine	
		Liquid-tea concentrate	
E 284	Boric acid	Sturgeons' eggs (Caviar)	4g/kg expressed as boric acid
E 285	Sodium tetraborate (borax)	Sturgeons' eggs (Caviar)	4g/kg expressed as boric acid

<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Indicative ingoing amount mg/kg</i>	<i>Residual amount mg/kg</i>
E 249	Potassium nitrite( <b>11</b> )	Non-heat-treated, cured, dried meat products	150( <b>12</b> )	50( <b>13</b> )
E 250	Sodium nitrite( <b>11</b> )	Other cured meat products	150( <b>12</b> )	100( <b>13</b> )
		Canned meat products		

(10) This substance may be present naturally in certain cheeses as a result of fermentation processes

(11) When labelled 'for food use', nitrite may only be sold in a mixture with salt or a salt substitute

(12) Expressed as NaNO<sub>2</sub>

(13) Residual amount at point of sale to the final consumer, expressed as NaNO<sub>2</sub>

(11) When labelled 'for food use', nitrite may only be sold in a mixture with salt or a salt substitute

(12) Expressed as NaNO<sub>2</sub>

(13) Residual amount at point of sale to the final consumer, expressed as NaNO<sub>2</sub>

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<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Indicative ingoing amount mg/kg mg/kg</i>	<i>Residual amount mg/kg mg/kg</i>
		<i>Foie gras, foie gras entier, blocs de foie gras</i>		
		Cured bacon		175 <b>(13)</b>
E 251	Sodium nitrate	Cured meat products	300	250 <b>((14)</b>
E 252	Potassium nitrate	Canned meat products		
		Hard, semi-hard and semi-soft cheese		50 <b>(14)</b>
		Dairy-based cheese analogue		
		Pickled herring and sprat		200 <b>(15)</b>

<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Maximum level</i>
E 280	Propionic acid <b>(16)</b>		
E 281	Sodium propionate <b>(16)</b>		
E 282	Calcium propionate <b>(16)</b>		
E 283	Potassium propionate <b>(16)</b>	Pre-packed sliced bread and rye bread	3000 mg/kg expressed as propionic acid
		Energy reduced bread	2000 mg/kg expressed as propionic acid
		Partially baked, pre-packed bread	
		Pre-packed fine bakery wares (including flour confectionery) with a	

**(13)** Residual amount at point of sale to the final consumer, expressed as NaNO<sub>2</sub>

**(14)** Expressed as NaNO<sub>3</sub>

**(14)** Expressed as NaNO<sub>3</sub>

**(15)** Residual amount nitrite formed from nitrate included, expressed as NaNO<sub>2</sub>

**(16)** Propionic acid and its salts may be present in certain fermented products resulting from the fermentation process following good manufacturing practice

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<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Maximum level</i>
		water activity of more than 0.65	
		Pre-packed Rolls, buns and <i>pitta</i>	
		<i>Christmas pudding</i>	1000 mg/kg expressed as propionic acid
		Pre-packed bread	
E 1105	Lysozyme	Ripened cheese	<i>quantum satis</i>

## Part D

### Other antioxidants

<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Maximum level (mg/kg)</i>
E 310	Propyl gallate	Fats and oils for the professional manufacture of heat-treated foods	200(17) (gallates and BHA, individually or in combination)
E 311	Octyl gallate		
E 312	Dodecyl gallate		100(17) (BHT)
E 320	Butylated hydroxyanisole (BHA)	Frying oil and frying fat, excluding olive pomace oil	both expressed on fat
E 321	Butylated hydroxytoluene (BHT)	Lard; fish oil; beef, poultry and sheep fat	
		Cake mixes	200 (gallates and BHA, individually or in combination)
		Cereal-based snack foods	
		Milk powder for vending machines	
		Dehydrated soups and broths	expressed on fat
		Sauces	
		Dehydrated meat	
		Processed nuts	
		Seasonings and condiments	

(17) When combinations of gallates, BHA and BHT are used, the individual levels must be reduced proportionally

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<i>EC No.</i>	<i>Name</i>	<i>Food</i>	<i>Maximum level (mg/kg)</i>
		Pre-cooked cereals	
		De-hydrated granulated potatoes	25 (gallates and BHA, individually or in combination)
		Chewing gum	400 (gallates, BHT and BHA, individually or in combination)
		Dietary supplements	
E 315	Erythorbic acid	Semi-preserved and preserved meat products	500 expressed as erythorbic acid
E 315	Erythorbic acid	Preserved and semi-preserved fish products	1500 expressed as erythorbic acid
		Frozen and deep-frozen fish with red skin	
E 316	Sodium erythorbate	Semi-preserved and preserved meat products	500 expressed as erythorbic acid
E 316	Sodium erythorbate	Preserved and semi-preserved fish products	1500 expressed as erythorbic acid
		Frozen and deep-frozen fish with red skin	