

SCHEDULE 4

Overall and Specific Migration Testing Using Food Simulants

Part IV

Simulants to be used in Relation to a Specific Food or a Specific Group of Foods

5. Where a food is listed in the Table to this Part under both a specific and a general heading, the simulant relating to the specific heading is the simulant which falls to be used for the migration test.

TABLE

<i>Reference Number</i>	<i>Description of food</i>	<i>Simulants to be used</i>			
		A	B	C	D
01	Beverages				
01.01	Non-alcoholic beverages or alcoholic beverages of an alcoholic strength lower than 5% vol.: Waters, ciders, fruit or vegetable juices of normal strength or concentrated, musts, fruit nectars, lemonades and mineral waters, syrops, bitters, infusions, coffee, tea, liquid	X(a)	X(a)		

(*) Simulant B shall not be used where the pH is more than 4.5.

(**) This test shall be carried out in the case of liquids or beverages of an alcoholic strength exceeding 10% vol. with aqueous solutions of ethanol of a similar strength

(***) If it can be demonstrated under regulation 11 or proved by means of an appropriate test that there is to be no fatty contact with the plastic material or article, simulant D shall not be used.

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Reference Number	Description of food	Simulants to be used			
		A	B	C	D
01.02	chocolate, beers and other. Alcoholic beverages of an alcohol strength equal to or exceeding 5% vol.: Beverages shown under heading 01.01 but with an alcoholic strength equal to or exceeding 5% vol.: Wines, spirits and liquers		X ^(*)	X ^(**)	
01.03	Miscellaneous: undenaturated ethyl alcohol		X ^(*)	X ^(**)	
02	Cereals, cereal products, pastry biscuits, cakes and				

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Reference Number	Description of food	Simulants to be used			
		A	B	C	D
	other bakers' wares				
02.01	Starches				
02.02	Cereals, unprocessed, puffed, in flakes (including popcorn, cornflakes and the like)				
02.03	Cereal flour and meal				
02.04	Macaroni, spaghetti and similar products				
02.05	Pastry, biscuits, cakes and other bakers' wares, dry: A. With fatty substances on the surface B. Other				X/5
02.06	Pastry, cakes and other bakers' ware, fresh: A. With fatty substances on the surface B. Other				X/5
03	Chocolate, sugar and products		X		

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Reference Number	Description of food	Simulants to be used			
		A	B	C	D
	thereof Confectionery products				
03.01	Chocolate, chocolate-coated products, substitutes and products coated with substitutes				X/5
03.02	Confectionery products:				X/5
	A. In solid form:				
	(I) With fatty substances on the surface				
	(II) Other				
	B. In paste form:				X/3
	(I) With fatty substances on the surface				
	(II) Moist	X			
03.03	Sugar and sugar products:				
	A. In solid form:				
	B. Honey and the like	X			
	C. Molasses and sugar syrups	X			

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		A	B	C	D
04	Fruit, vegetables and products thereof				
04.01	Whole fruit, fresh or chilled				
04.02	Processed fruit:				
	A. Dried or dehydrated fruit, whole or in the form of flour or powder				
	B. Fruit in the form of chunks, purée or paste	X(a)	X(a)		
	C. Fruit preserves (jams and similar products— whole fruit or chunks or in the form of flour or powder, preserved in a liquid medium):	X(a)	X(a)		
	(I) In an aqueous medium				
	(II) In an oily medium	X(a)	X(a)		X

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		A	B	C	D
	(III) In an alcoholic medium ($\geq 5\%$ vol.)		X ^(*)	X	
04.03	Nuts (peanuts, chestnuts, almonds, hazelnuts, walnuts, pine kernels and others):				
	A. Shelled, dried				
	B. Shelled and roasted				X/5 ^(***)
	C. In paste or cream form	X			X/3 ^(***)
04.04	Whole vegetables, fresh or chilled				
04.05	Processed vegetables:				
	A. Dried or dehydrated vegetables whole or in the form of flour or powder				
	B. Vegetable cut, in the form of purees	X(a)	X(a)		
	C. Preserved vegetables:	X(a)	X(a)		

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		A	B	C	D
	(I) In an aqueous medium				
	(II) In an oily medium	X(a)	X(a)		X
	(III) In an alcoholic medium ($\geq 5\%$ vol.)		X ^(*)	X	
05	Fats and oils				
05.01	Animal and vegetable fats and oils, whether natural or treated (including cocoa butter, lard, resolidified butter)				X
05.02	Margarine, butter and other fats and oils made from water emulsions in oil				X/2
06	Animal products and eggs				
06.01	Fish: A. Fresh, chilled, salted, smoked	X			X/3 ^(***)

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		A	B	C	D
	B. In the form of paste	X			X/3 ^(***)
06.02	Crustaceans and molluscs (including oysters, mussels, snails) not naturally protected by their shells	X			
06.03	Meat of all zoological species (including poultry and game):	X			X/4
	A. Fresh, chilled, salted, smoked				
	B. In the form of paste, creams	X			X/4
06.04	Processed meat products (ham, salami, bacon and other)	X			X/4
06.05	Preserved and part-preserved meat and fish:	X(a)	X(a)		
	A. In an aqueous medium				
	B. In an oily medium	X(a)	X(a)		X
06.06	Eggs not in shell:				

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Reference Number	Description of food	Simulants to be used			
		A	B	C	D
	A. Liquid				
	B. Other	X			
06.07	Egg yolks:	X			
	A. Liquid				
	B. Powdered or frozen				
06.08	Dried white of egg				
07	Milk products				
07.01	Milk:	X			
	A. Whole				
	B. Partly dried	X			
	C. Skimmed or partly skimmed	X			
	D. Dried				
07.02	Fermented milk such as yoghurt, buttermilk and such products in association with fruit and fruit products		X		
07.03	Cream and sour cream	X(a)	X(a)		
07.04	Cheeses:				
	A. Whole, with rind				
	B. Processed cheeses	X(a)	X(a)		

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		A	B	C	D
	C. All others	X(a)	X(a)		X/3 ^(***)
07.05	Rennet:	X(a)	X(a)		
	A. In liquid or viscous form				
	B. Powdered or dried				
08	Miscellaneous products				
08.01	Vinegar			X	
08.02	Fried or roasted foods:				X/5
	A. Fried potatoes, fritters and the like				
	B. Of animal origin				X/4
08.03	Preparations for soups, broths in liquid, solid or powder form (extracts, concentrates); homogenized composite food preparations, prepared dishes:				X/5
	A. Powdered or dried:				
	(I) With fatty				

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		A	B	C	D
	substances on the surface				
	(II) Other				
	B. Liquid or paste:	X(a)	X(a)		X/3
	(I) With fatty substances on the surface				
	(II) Other	X(a)	X(a)		
08.04	Yeast and raising agents:	X(a)	X(a)		
	A. In paste form				
	B. Dried				
08.05	Salt				
08.06	Sauces:	X(a)	X(a)		
	A. Without fatty substances on the surface				
	B. Mayonnaise sauces derived from mayonnaise, salad creams and other oil in water emulsions	X(a)	X(a)		X/3
	C. Sauce containing oil and water forming two distinct layers	X(a)	X(a)		X
08.07	Mustard (except	X(a)	X(a)		X/3 ^(***)

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		A	B	C	D
08.08	powdered mustard under heading 08.17) Sandwiches, toasted bread and the like containing any kind of foodstuff: A. With fatty substances on the surface B. Other				X/5
08.09	Ice creams	X			
08.10	Dried foods: A. With fatty substances on the surface B. Other				X/5
08.11	Frozen or deep-frozen foods				
08.12	Concentrated extracts of an alcoholic strength equal to or exceeding 5% vol		X ^(*)	X	
08.13	Cocoa: A. Cocoa powder				X/5 ^(***)

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		A	B	C	D
	B. Cocoa paste				X/3 ^(***)
08.14	Coffee, whether or not roasted, decaffeinated or soluble, coffee substitutes, granulated or powdered				
08.15	Liquid coffee extracts	X			
08.16	Aromatic herbs and other herbs: Camomile, mallow, mint, tea, lime blossom and others				
08.17	Spices and seasonings in the natural state: Cinnamon, cloves, powdered mustard, pepper, vanilla, saffron and others				

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