

ANNEX III

Food simulants

[^{F13} Specific assignment of food simulants to foods for migration testing of materials and articles not yet in contact with food

For testing migration from materials and articles not yet in contact with food the food simulants that corresponds to a certain food category shall be chosen according to Table 2 below.

For testing migration from materials and articles intended to come into contact with foods not listed in Table 2 below, or a combination of foods, the general food simulant assignments in point 2 shall be used for specific migration testing, and for overall migration testing the food simulant assignments in point 4 shall be applicable.

Table 2 contains the following information:

- Column 1 (Reference number): contains the reference number of the food category
- Column 2 (Description of food): contains a description of the foods covered by the food category
- Column 3 (Food simulants): contains sub-columns for each of the food simulants

The food simulant for which a cross is contained in the respective sub-column of column 3 shall be used when testing migration of materials and articles not yet in contact with food.

For food categories where in sub-column D2 or E the cross is followed by an oblique stroke and a figure, the migration test result shall be corrected by dividing the result by this figure. The corrected test result shall then be compared to the migration limit to establish compliance. The test results for substances that shall not migrate in detectable quantities shall not be corrected in this way.

For food category 01.04 food simulant D2 shall be replaced by 95 % ethanol.

For food categories where in sub-column B the cross is followed by (*) the testing in food simulant B can be omitted if the food has a pH of more than 4,5.

For food categories where in sub-column D2 the cross is followed by (**) the testing in food simulant D2 can be omitted if it can be demonstrated that there is no 'fatty contact' with the plastic food contact material.]

TABLE 2

food category specific assignment of food simulants

(1) Reference number	(2) Description of food	(3) Food simulants					
		A	B	C	D1	D2	E
01	Beverages						
01.01	Non-alcoholic beverages or alcoholic beverages of an alcoholic						

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	strength lower than or equal to 6 % vol.:						
A.	Clear drinks: Water, ciders, clear fruit or vegetable juices of normal strength or concentrated, fruit nectars, lemonades, syrops, bitters, infusions, coffee, tea, beers, soft drinks, energy drinks and the like, flavoured water, liquid coffee extract		X(*)	X			
B.	cloudy drinks: juices and nectars and soft drinks containing fruit pulp, musts containing fruit pulp, liquid chocolate		X(*)		X		

*Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)*

01.02	Alcoholic beverages of an alcoholic strength of between 6 %vol and 20 %.			X			
01.03	Alcoholic beverages of an alcoholic strength above 20 % and all cream liquors				X		
01.04	Miscellaneous: undenaturated ethyl alcohol		X(*)			Substitute 95 % ethanol	
02	Cereals, cereal products, pastry, biscuits, cakes and other bakers' wares						
02.01	Starches						X
02.02	Cereals, unprocessed, puffed, in flakes (including popcorn, corn flakes and the like)						X
02.03	Cereal flour and meal						X
02.04	Dry pasta e.g. macaroni, spaghetti						X

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	and similar products and fresh pasta						
02.05	Pastry, biscuits, cakes, bread, and other bakers' wares, dry:						
	A. With fatty substances on the surface					X/3	
	B. Other						X
02.06	Pastry, cakes, bread, dough and other bakers' wares, fresh:						
	A. With fatty substances on the surface					X/3	
	B. Other						X
03	Chocolate, sugar and products thereof Confectionery products						
03.01	Chocolate, chocolate-coated products,					X/3	

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	substitutes and products coated with substitutes						
03.02	Confectionery products:						
	A. In solid form:						
	I. With fatty substances on the surface				X/3		
	II. Other						X
	B. In paste form:						
	I. With fatty substances on the surface				X/2		
	II. Moist			X			
03.03	Sugar and sugar products						
	A. In solid form: crystal or powder						X
	B. X Molasses, sugar syrops, honey and						

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	the like					
04	Fruit, vegetables and products thereof					
[^{F1} 04.01	Fruit, fresh or chilled:					
	A. unpeeled and uncut					X/10
	B. ^X peeled and/ or cut	X (*)				I
04.02	Processed fruit:					
	A. Dried or dehydrated fruits, whole, sliced, flour or powder					X
	B. Fruit in the form of purée, preserves, pastes or in its own juice or in sugar syrup (jams,	X(*)	X			

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

		compote, and similar products)					
	C.	Fruit preserved in a liquid medium:					
	I.	In an oily medium				X	
	II.	In an alcoholic medium			X		
04.03		Nuts (peanuts, chestnuts, almonds, hazelnuts, walnuts, pine kernels and others):					
	A.	Shelled, dried, flaked or powdered					X
	B.	Shelled and roasted					X
	C.	X In paste or cream form				X	
[^{F1} 04.04		Vegetables, fresh or chilled:					

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	A.	unpeeled and uncut					X/10
	B.	X peeled and/ or cut	X (*)				1
I ^{F1} 04.05	Processed vegetables:						X
	A.	Dried or dehydrated vegetables whole, sliced or in the form of flour or powder.					
	B.	(<i>obsolete</i>)					
	C.	Vegetables in the form of purée, preserves, pastes or in its own juice (including pickled and in brine).	X (*)	X			
	D.	Preserved vegetables:					

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	I.	X In an oily medium				X	
	II.	In an alcoholic medium			X		I
05	Fats and oils						
05.01	Animals 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.	X Fresh, chilled, processed, salted or smoked including fish eggs				X/3(**)	

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	B.	Preserved fish:					
	I.	X In an oily medium				X	
	II.	In an aqueous medium	X(*)	X			
06.02		Crustaceans and molluscs (including oysters, mussels, snails)					
	A.	Fresh within the shell					
	B.	Shell removed, processed, preserved or cooked with the shell					
	I.	X In an oily medium				X	
	II.	In an aqueous medium	X(*)	X			
06.03		Meat of all zoological species (including poultry)					

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	and game):						
	A.	X Fresh, chilled, salted, smoked				X/4(**)	
	B.	X Processed meat products (such as ham, salami, bacon, sausages, and other) or in the form of paste, creams				X/4(**)	
	C.	X Marinated meat products in an oily medium				X	
06.04	Preserved meat:						
	A.	X In an fatty or oily medium				X/3	
	B.	In an aqueous medium	X(*)		X		
06.05	Whole eggs, egg						

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	yolk, egg white						
	A.	Powdered or dried or frozen					X
	B.	Liquid and cooked			X		
07	Milk products						
07.01	Milk						
	A.	Milk and milk based drinks whole, partly dried and skimmed or partly skimmed			X		
	B.	Milk powder including infant formula (based on whole milk powder)					X
07.02	Fermented milk such as yoghurt, buttermilk and similar products		X(*)		X		

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

07.03	Cream and sour cream		X(*)		X		
07.04	Cheeses:						
	A. Whole, with not edible rind						X
	B. Natural cheese without rind or with edible rind (gouda, camembert, and the like) and melting cheese					X/3(**)	
	C. Processed cheese (soft cheese, cottage cheese and similar)		X(*)		X		
	D. Preserved cheese:						
	I. In an oily medium					X	
	II. In an aqueous medium (feta, mozzarella,		X(*)		X		

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

		and similar)					
08	Miscellaneous products						
08.01	Vinegar		X				
08.02	Fried or roasted foods:						
	A.	X Fried potatoes, fritters and the like				X/5	
	B.	X Of animal origin				X/4	
08.03	Preparations for soups, broths, sauces, in liquid, solid or powder form (extracts, concentrates); homogenised composite food preparations, prepared dishes including yeast and raising agents						
	A.	Powdered or dried:					
	I.	With fatty character				X/5	
	II.	Other					X

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	B.	any other form than powdered or dried:					
	I.	X With fatty character	X(*)			X/3	
	II.	Other	X(*)	X			
08.04	Sauces:						
	A.	With aqueous character	X(*)	X			
	B.	X With fatty character e.g. mayonnaise, sauces derived from mayonnaise, salad creams and other oil/water mixtures e.g. coconut based sauces	X(*)			X	
08.05	Mustard (except powdered mustard under heading 08.14)	X	X(*)			X/3(**)	
08.06	Sandwiches, toasted bread						

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

	pizza and the like containing any kind of foodstuff						
	A.	X With fatty substances on the surface				X/5	
	B.	Other					X
08.07	Ice-creams			X			
08.08	Dried foods:						
	A.	With fatty substances on the surface				X/5	
	B.	Other					X
08.09	Frozen or deep-frozen foods						X
08.10	Concentrated extracts of an alcoholic strength equal to or exceeding 6 % vol.		X(*)		X		
08.11	Cocoa:						
	A.	Cocoa powder, including fat-reduced and					X

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

		highly fat reduced					
	B.	Cocoa paste				X/3	
08.12	Coffee, whether or not roasted, decaffeinated or soluble, coffee substitutes, granulated or powdered						X
08.13	Aromatic herbs and other herbs such as camomile, mallow, mint, tea, lime blossom and others						X
08.14	Spices and seasonings in the natural state such as cinnamon, cloves, powdered mustard, pepper, vanilla, saffron, salt and other						X
08.15	Spices and seasoning in oily					X	

Changes to legislation: There are currently no known outstanding effects for the
Commission Regulation (EU) No 10/2011, Division 3.. (See end of Document for details)

medium such as pesto, curry paste						
---	--	--	--	--	--	--

Textual Amendments

- F1** Substituted by [Commission Regulation \(EU\) 2016/1416 of 24 August 2016 amending and correcting Regulation \(EU\) No 10/2011 on plastic materials and articles intended to come into contact with food \(Text with EEA relevance\)](#).

Changes to legislation:

There are currently no known outstanding effects for the Commission Regulation (EU) No 10/2011, Division 3..