



EFIBCA

European Flexible Intermediate Bulk Container Association

New EU Regulation No. 10/2011 on Food Contact (PIM Regulation)

Comparison of testing simulants according to food categories - Selection of the most important changes

(stringent conditions are marked red)

			old simulants				new simulants					
			A	B	C	D	A	B	C	D1	D2	E
01.	Beverages											
01.01.	Non-alcoholic beverages or alcoholic beverages of an alcoholic strength lower than or equal to 6 % vol.:	A. Clear drinks: water, clear fruit or vegetable juices, coffee, tea, beers, liquid coffee extract	x(a)	x(a)				x*	x			
		B. Cloudy drinks: juices and nectars, musts containing fruit pulp, liquid chocolate	x	x				x*		x		
01.02.	Alcoholic beverages of an alcoholic strength of between 6%vol and 20 %			x*	x***				x			
01.03.	Alcoholic beverages of an alcoholic strength above 20 % and all cream liquors			x*	x***					x		
02.	Cereals, cereal products, pastry, biscuits, cakes and other bakers' wares											
02.05.	Pastry, biscuits, cakes, bread and other bakers' wares, dry:	A. With fatty substances on the surface			x/5	x/5						x/3
02.06.	Pastry, cakes, bread, dough and other bakers' wares, fresh:	A. With fatty substances on the surface			x/5	x/5						x/3
03.	Chocolate, sugar and products thereof, Confectionary products											
03.01.	Chocolate, substitutes, chocolate-coated products					x/5						x/3

03.02.	Confectionary products:	A. In solid form I. with fatty substances on the surface				x/5					x/3	
		B. In paste form I. with fatty substances on the surface				x/3					x/2	
		B. In paste form II. moist	x						x			
04.	Fruit, vegetables and products thereof											
04.02.	Processed fruit:	B. Fruit in the form of purée, preserves, pastes or in its own juice or in sugar syrup (jams, compote and similar products)	x(a)	x(a)				x*	x			
		C. Fruit preserved in a liquid medium: II. in an alcoholic medium		x	x						x	
04.03.	Nuts (peanuts, chestnuts, almonds, hazelnuts, walnuts, pine kernels and others):	B. shelled and roasted				x/5**						x
		C. In paste or cream form				x/3**	x				x	
04.05.	Processed vegetables:	C. Vegetables in the form of purée, preserves, pastes or in its own juice (incl. Pickled and in brine)	x(a)	x(a)				x*	x			
		D. preserved vegetables II. In an alcoholic medium		x	x						x	
06.	Animal products and eggs											
06.01.	Fish:	B. Preserved fish: I. In an oily medium	x			x/3**	x					x
		B. Preserved fish: II. In an aqueous medium						x*	x			
06.02.	Crustaceans and molluscs (incl. Oysters, mussels, snails)	B. Shell removed, processed, preserved or cooked with the shell II. In an aqueous medium						x*	x			
06.04.	Preserved meat.	A. In an fatty or oily medium	x(a)	x(a)		x	x					x/3
		B. In an aqueous medium	x(a)	x(a)				x*			x	
06.05.	Whole eggs, egg yolk, egg white:	B. Liquid and cooked	x								x	
07.	Milk products											
07.04.	Cheese:	C. Processed cheese (soft cheese, cottage cheese and similar)	x(a)	x(a)				x*			x	

	D. Preserved cheese: II. In an aqueous medium (feta, mozzarella, and similar)							x*		x		
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08.	Miscellaneous products												
08.03.	Preparations for soups, broths, sauces, prepared dishes incl. Yeast and raising agents	B. any other form than powdered or dried: II. Other	x(a)	x(a)					x*	x			
08.04.	Sauces:	A. With aqueous character	x(a)	x(a)					x*	x			
		B. With fatty character e.g. mayonnaise, salad creams and other oil/water mixtures	x(a)	x(a)		x/3	x		x*			x	
08.07.	Ice-creams		x							x			
08.10.	Concentrated extracts of an alcoholic strength equal to or exceeding 6 % vol.			x	x				x*		x		
08.11.	Cocoa:	A. Cocoa powder, incl. fat-reduced and highly fat reduced Cocoa Powder				x/5							x

Legend for old simulants:	Legend for new simulants:
(a) either... Or	* can be omitted, if pH>4,5
(b) new simulants D 50 Vol.-% ethanol	** can be omitted, if there is no contact
* can be omitted, if pH>4,5	*** 95 % ethanol
** can be omitted, if there is no contact between fat and plastic materials	
*** if >15 % alcoholic strength, the alcoholic strength will be adapted to the simulants	