

Monitoring the Presence of GM Ingredients on the Irish Market in 2012

Authorised GM food ingredients are allowed on the EU market. If they exceed 0.9% of the total ingredient they must be labelled accordingly. Food samples collected by environmental health officers are analysed by the Public Analyst's Laboratory in Cork for the presence of GM ingredients.

GM ingredients present at trace levels are presumed to be adventitious and therefore in accordance with the legislation.

Of the 46 food samples containing soya, maize or rice analysed in 2012, 14 (19.6%) were found to contain GM ingredients, however all (with the exception of one positive sample which was not quantified) were found to be less than 0.1% . Three maize containing products were found to contain MON 810, two were found to contain Bt11 maize and one Bt176 maize. Three soya containing products were found to contain MON 40-3-12 and no rice products tested were found to contain Bt63 rice.

Foods containing Maize				Levels	Foods containing Soya				Levels
1	Popcorn	-	-	-	1	Soya Milk	-	-	-
2	Popcorn	-	-	-	2	Soya Milk	-	-	-
3	Popcorn	-	-	-	3	Soya Drink	-	-	-
4	Popcorn	-	-	-	4	Soya Yoghurt	-	-	-
5	Popcorn	-	-	-	5	Soya Cream	-	-	-
6	Popcorn	-	-	-	6	Soya Chocolate Dessert	-	-	-
7	Popcorn	-	-	-	7	Organic Tofu	MON 40-3-12	<0.1%	<0.1%
8	Salted Popcorn	Bt11	<0.1%	<0.1%	8	Tofu	MON 40-3-12	<0.1%	<0.1%
9	Toffee Popcorn	-	-	-	9	Tofu	-	-	-
10	Popcorn unpopped	MON 810	<0.1%	<0.1%	10	Brown Rice	-	-	-
11	Popcorn unpopped	-	-	-	11	Rice Flakes	-	-	-
12	Microwave Popcorn	-	-	-	12	Tortilla Chips	MON 40-3-12	NQ*	NQ*
13	Salted Microwave Popcorn	Bt11	<0.1%	<0.1%					
14	Yellow Corn	Bt176	<0.1%	<0.1%	Foods containing Rice				Levels
15	Corn on the cob	-	-	-					
16	Ground Corn	MON 810	<0.1%	<0.1%	1	Rice Flour	-	-	-
17	Organic Cornflakes	-	-	-	2	Rice Pudding	-	-	-
18	Cornflour	-	-	-	3	Rice Vermicelli	-	-	-
19	Cornflour	-	-	-	4	Noodles	-	-	-
20	Cornflour	-	-	-					
21	Corn Cakes	-	-	-					
22	Corn Cakes	-	-	-					
23	Tortilla Chips	-	-	-					
24	Tortilla Chips	-	-	-					
25	Tortilla Chips	-	-	-					
26	Tortilla Chips	-	-	-					
27	Nachos	MON 810	<0.1%	<0.1%					
28	Organic Polenta	-	-	-					
29	Polenta	-	-	-					
30	Jelly Beans	-	-	-					

*NQ – not quantified

All soya containing foods were tested for GM-specific event MON 40-3-2.

All maize and rice samples were screened for 35-S promoter and NOS terminator DNA sequences.

In addition, twelve maize samples and one soy sample were tested for the *bar* gene, and one rice sample was tested for the *cry* gene.

Positive maize samples from screening were tested for the presence of MON 810, MON 863, Bt11, Bt176, GA21 and NK603 maize.

Positive rice samples were tested for the presence of Bt63