



Feidhmeannas Seirbhíse Sláinte
Health Service Executive

2013 National Chemical Food Sampling Programme

Public Analyst's Laboratory, Dublin

Dublin–Mid–Leinster & Dublin–North East Areas

*Where possible, please supply 'bulk' samples for the indicated mycotoxins. If 'bulk' samples cannot be sourced, then 'retail-type' samples will be accepted. Please note that for aflatoxin B₁, B₂, G₁, and G₂ testing, only 'bulk' samples will be accepted. An exception to this requirement for aflatoxin B₁, B₂, G₁, and G₂ testing relates to dry cereal-based baby food and peanut butter which are homogeneous products and representative samples can be obtained at retail level. **Please indicate on the Sample Analysis Request Form if a sample is being submitted as part of the National Mycotoxin Sampling Programme.**

Sample reporting times for the Public Analyst's Laboratory, Dublin, are detailed at:

http://www.publicanalystdublin.ie/en/EnvironmentalHealthService/TestItemDeliveryandSampleReportingTimes/PDFFile_15596_en.pdf

LEGEND			
A	Accredited Test	M	Full or partial method development is required or is ongoing
MPT	Multi-parameter Testing	LAVS	Local Authority Veterinary Service
EHS	Environmental Health Service	SFPA	Sea Fisheries Protection Authority
DAFM	Dept. of Agriculture, Food and the Marine	CPAL	Cork Public Analyst's Laboratory

Sampling Period	Parameter	Sample Capacity Uptake & Source	Minimum Sample Weight/Volume Required	Lab Contact	Details of samples
14 - 25 Jan	MPT				
	Biogenic Amines (A) (Part 1)	EHS = 15 Samples	500 g	JK / PE	Packaged fish products. Restrict samples to packed tuna, mackerel, sardines, herrings and anchovies and preferably chilled packages. Fish sauces are not suitable for this campaign. Legislation: Commission Regulation (EC) No. 1441/2007.
	Ochratoxin A * (A)	EHS = 5 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 250 g	JK / PE	Five samples of nutmeg. In some cases it may not be possible to get 1 kg therefore samples should be taken having regard to the regulations and using discretion. Legislation: Commission Regulation (EU) No. 594/2012.



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14 - 25 Jan Cont'd	MPT Nitrite and Nitrate (A) (Part 1)	EHS = 4 Samples LAVS = 16 Samples	400 g	RB / LH	<p>Cured meats (except cured tongue[‡]).</p> <p>[‡] The FSAI is currently awaiting clarification from the EU Commission regarding the appropriate legislative limits for nitrite and nitrate in cured tongue. Therefore, please do not submit samples of cured tongue until further notice.</p> <p>Please sample according to the FSAI Guidance Document for Nitrate/Nitrite Sampling of Meat Products and complete the Nitrates and Nitrites in Cured Meats section of the combined sample analysis request form.</p> <p>Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2 and 4 and Annexes I to VI of Directive 95/2/EC will continue to apply until 1st June 2013.</p>
	MPT Artificial Sweeteners (A) (Part 1)	EHS = 20 Samples	300 ml / 400 g	RB / LH	<p>Yoghurts (energy-reduced or with no added sugar) and energy-reduced soups. Please prioritise products that are labelled as containing the artificial sweeteners aspartame (E951), acesulfame-K (E950), saccharin (E954) or aspartame-acesulfame salt (E962).</p> <p>Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2(1), (2) and (4) and the Annex to Directive 94/35/EC will continue to apply until 1st June 2013.</p>



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28 Jan – 08 Feb	MPT PAH (Part 1)	EHS = 8 Samples	Where possible, please sample according to Regulation (EC) No. 333/2007. Where this is not possible, please supply min. 3 units or 300g.	CG / LD / KM	Heat treated meat and heat treated meat products, i.e. meat and meat products that have undergone a heat treatment potentially resulting in formation of PAH, i.e. only grilling and barbecuing, as sold to the final consumer. Ideally, these are meats that have been cooked by exposure to an open flame where fat may drop down from the food on to the heat source producing smoke e.g. flame/char- grilled burger patties, sausages, chicken and steaks, kebab meat or tandoori cooked meats. The regulation applies only to the cooked meat portion of the food. For example, in the case of a burger, only the meat pattie should be sampled and not the whole product including bun, pickle, relish, etc. Legislation: Commission Regulation (EU) No. 835/2011
	MPT Primary Aromatic Amines (A) (Part 1)	EHS = 10 Samples	5 of each unit selected	JK / PE	Black nylon kitchen utensils. See Appendix A for a list of outlets and other instructions. Monitoring compliance with EU legislation (2011/10/EC). Please attempt to target outlets at the lower end of the market. Items with a shiny rather than a matt appearance are of particular interest. Legislation: Commission Regulation (EU) No. 10/2011



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28 Jan – 08 Feb Cont'd	MPT Benzoic Acid & Sorbic Acid (A) (Part 1)	EHS = 20 Samples	400 g	RB / LH	<p>Cakes that are labelled as containing sorbic acid (E200), potassium sorbate (E202) or calcium sorbate (E203) as preservative.</p> <p>Jams and marmalades with a low energy value or without added sugar that are labelled as containing benzoic acid (E210), sodium benzoate (E211), potassium benzoate (E212) or calcium benzoate (E213), sorbic acid (E200), potassium sorbate (E202) and calcium sorbate (E203) either singly or in combination as preservative.</p> <p>Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2 and 4 and Annexes I to VI of Directive 95/2/EC will continue to apply until 1st June 2013.</p>
11 – 22 Feb	MPT Biogenic Amines (A) (Part 2)	EHS = 15 Samples	250 ml / 250 g	JK / PE	<p>Ten samples of fermented fish products, i.e. fish sauces. Five samples of canned fish of the Scombroid varieties. Restrict samples to fish sauces (fish pastes and oyster sauces are NOT suitable samples).</p> <p>Legislation: Commission Regulation (EC) No. 1441/2007.</p>
	Ochratoxin A (A)	EHS = 5 Samples	Where possible, please supply min. 1 kg.	JK / PE	<p>Chocolate, cocoa content must be >20%. There is no legislative limit for Ochratoxin A in chocolate.</p> <p>Legislation: There is currently no legislative limit for Ochratoxin A in chocolate. For information purposes only.</p>



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11 – 22 Feb Cont'd	MPT Nitrite and Nitrate (A) (Part 2)	EHS = 4 Samples LAVS = 17 Samples DAFM = 8 Brine Samples	400 g	RB / LH	<p>Cured meats (except cured tongue[‡]) and brines.</p> <p>[‡]The FSAI is currently awaiting clarification from the EU Commission regarding the appropriate legislative limits for nitrite and nitrate in cured tongue. Therefore, please do not submit samples of cured tongue until further notice.</p> <p>Please sample according to the FSAI Guidance Document for Nitrate/Nitrite Sampling of Meat Products and complete the Nitrates and Nitrites in Cured Meats section of the combined Sample Analysis Request Form.</p> <p>Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2 and 4 and Annexes I to VI of Directive 95/2/EC will continue to apply until 1st June 2013.</p>
25 Feb – 08 Mar	MPT Primary Aromatic Amines (A) (Part 2)	EHS = 10 Samples	5 of each unit selected	JK / PE	<p>Black nylon kitchen utensils. See Appendix A for a list of outlets and other instructions. Monitoring compliance with EU legislation (2011/10/EC).</p> <p>Please attempt to target outlets at the lower end of the market. Items with a shiny rather than a matt appearance are of particular interest.</p> <p>Legislation: Commission Regulation (EU) No. 10/2011.</p>



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25 Feb – 08 Mar Cont'd	Ochratoxin A * (A)	EHS = 8 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 250 g	JK / PE	Four samples each of black and white pepper. In some cases it may not be possible to get 1 kg therefore samples should be taken having regard to the regulations and using discretion. Legislation: Commission Regulation (EU) No. 594/2012.
	MPT Caffeine (A)	EHS = 20 Samples	250 g	RB / LH	Decaffeinated coffee (dry matter). According to Directive 1999/4/EC, the product labelling on coffee may include the term 'decaffeinated' provided that the anhydrous caffeine content does not exceed 0.3 % by weight of the coffee-based dry matter. Legislation: Directive 1999/4/EC.
	Solvent Residues			CG / LD / KM	Decaffeinated coffee (dry matter). The removal of caffeine and some bitter flavours from coffee and tea is sometimes achieved with the use of organic solvents. Legislation: Commission Directive 2009/32/EC, given effect by S.I. 119 of 2010, restricts the use of certain solvents and prescribes maximum levels for others for this purpose. Retail level samples are suitable for caffeine and solvent residue testing. The same samples will be analysed for solvent residues as for caffeine above. Please include both parameters when completing the sample analysis request form.



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25 Feb – 08 Mar Cont'd	Sucralose (A)	EHS = 7 Drinks & 8 Foods	200g / 250 ml	RB / LH	Non-alcoholic flavoured drinks – energy-reduced or with no added sugar (not dairy-based), flavoured bottled waters and alcopops. Solid or semi-solid foodstuffs e.g. low-calorie snack bars, energy-reduced jams, milkshakes and yoghurts – energy-reduced or with no added sugar. All products must be labelled as containing the artificial sweetener sucralose (E955). Please note: regular soft drinks, fruit juices or liquid foodstuffs are not suitable samples for this campaign. Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2(1), (2) and (4) and the Annex to Directive 94/35/EC will continue to apply until 1 st June 2013.
	MPT PAH (A) (Part 2)	EHS = 12 Samples	Sample according to Regulation (EC) No. 333/2007 where possible. However due to cost availability limitations 3 units will be sufficient.	CG / LD / KM	Herbs & Spices. Legislation: There are currently no legislative limits for PAH in herbs and spices. High levels of PAH have been found previously and EFSA is continuing to collect data.
11 – 22 Mar	MPT Cadmium & Lead – Migration Testing from Ceramics	FSAI = 20 Samples	4 cups / bowls	TMcE / IN	Migration testing – cadmium and lead from ceramics – cups/bowls imported from China. Legislation: Commission Directive 2005/31/EC.



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11 – 22 Mar Cont'd	Acrylamide (A)	EHS = 22 Samples	The acrylamide monitoring recommendation (2010/307/EU) suggests following the sampling procedures laid down in part B of the Annex to Commission Regulation (EC) No 333/2007 to ensure that the samples are representative of the sampled lot. Min. weights and volumes of 1 kg and 1 litre are given.	LD / KM	<p>This European Commission monitoring programme continues in order to provide data on the effectiveness of measures being taken to reduce the levels in food.</p> <p>French fries, potato crisps and deep fried fries (from potato dough) are to be sampled in March and November.</p> <p>Legislation: There are currently no legislative limits for acrylamide in foods. However, there is a Commission Recommendation from 10/01/2011 on indicative levels of acrylamide in food.</p> <p>The deadline for reporting of results to the EHS will be the end of June 2013. Accordingly please ensure that "use by dates" for non fresh foods are greater than this. Fresh foods e.g. French fries will be frozen before analysis to ensure integrity.</p>
	<p>MPT</p> <p>Zearalenone (A) and Fumonisin B₁ and B₂ (A) and B₃ (M)</p> <p>Ochratoxin A * (A)</p> <p>DON (A), T-2 and HT-2, Diacetylscirpenol/ Nivalenol/ 3-acetylDON/ 15-acetylDON (M)</p>	EHS = 20 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 1 kg	JK / PE	<p>Dry cereal-based baby foods (in boxes), rusks, dried pasta intended for consumption by infants and young children, etc.</p> <p>The same samples will be used for Zearalenone, Fumonisin and Ochratoxin A analysis.</p> <p>Dry cereal-based baby foods (in boxes), rusks, dried pasta intended for consumption by infants and young children, etc.</p> <p>The same samples will be used for both DON and T-2 and HT-2 toxins. DON (compliance with legislation), T-2 and HT-2 toxins (survey work). Limits have not yet been set for T-2 & HT-2 toxins and the purpose of this work is continuing risk assessment. The same samples will be analysed for DON, T-2 and HT-2 and other parameters as for ZON, fumonisins and Ochratoxin A above.</p>



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					<p>Please specify 'Cereal Parameters' on the sample analysis request form.</p> <p>Legislation: Commission Regulation (EC) No. 1881/2006. DON, ZON, and fumonisins B₁ and B₂ (compliance with legislation), T-2 and HT-2 toxins and other parameters (survey work). Limits have not yet been set for T-2 & HT-2 toxins and other parameters and the purpose of this work is continuing risk assessment.</p>
11 – 22 Mar Cont'd	Coumarin (Part 1)	EHS = 10 Samples	400 g	RB / LH	<p>Bakery products, including seasonal Easter products and, if available, breakfast cereals (including muesli) containing cinnamon.</p> <p>Please note that 'bakery products' refers to items containing cinnamon that are (i) sold loose in bakeries or (ii) pre-packaged products sold at retail level. For products sold loose from bakeries, please indicate on the sample analysis request form whether or not cinnamon was used in the product preparation (based on the information provided by the manufacturer).</p> <p>Examples of suitable products include; traditional Easter bakery products, cinnamon whirles, cinnamon biscuits, cinnamon bagels, carrot cakes, apple tarts, apple strudels etc.</p> <p>For information: Coumarin is a flavouring which may be present in cinnamon and also in certain foods to which cinnamon has been added.</p> <p>Legislation: Regulation (EC) No. 1334/2008.</p>



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11 – 22 Mar Cont'd	MPT Acid Value Peroxide Value	EHS = 10 Samples	300 ml	RB / LH	<p>Cooking oils (currently in use) from restaurants, fast-food outlets and manufacturing outlets. Please ensure that wide-necked containers are used for solid fats. Prior to despatch to the laboratory, store the samples out of direct light in a cool area (do not refrigerate).</p> <p>The same samples will be used for both acid value and peroxide value testing. Please include both parameters when completing the sample analysis request form and <u>indicate if the oil is of animal or vegetable origin</u>.</p> <p>Legislation: There is no legislative limit for acid and peroxide values in in-use cooking oils.</p>
08 - 19 April	MPT PAH (A) (Part 3)	EHS = 10 Samples	Sample according to Regulation (EC) No. 333/2007. Where possible, please supply min. 1 kg	CG / LD / KM	<p>Smoked fish e.g. smoked smelts/sprats.</p> <p>Legislation: Council Regulation (EU) No. 835/2011 has amended Regulation (EC) No 1881/2006 and the amendments which applied from 1 September 2012 has introduced a new maximum level for the sum of four substances (ΣPAH4) (benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) whilst maintaining a separate maximum level for benzo(a)pyrene.</p>
	Ochratoxin A* (A)	EHS = 5 Samples	Sample according to Commission Regulation (EU) 178/2010. Where possible, please supply min. 1 kg	JK / PE	<p>Liquorice—not packets of Bassett's Allsorts, if possible. Liquorice (<i>Glycyrrhiza glabra</i>, <i>Glycyrrhiza inflata</i> and other species) (No limit). Liquorice root, ingredient for herbal infusion (limit is 20 µg/kg), Liquorice extract, for use in food in particular beverages and confectionary (limit is 80 µg/kg). In some cases it may not be possible to get 1 kg therefore samples should be taken having regard to the regulations and using discretion.</p> <p>Legislation: Commission Regulation (EC) No. 1881/2006.</p>



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08 - 19 April Cont'd	Ochratoxin A * (A)	EHS = 3 Red Grape Juice & 3 White Grape Juice	Sample according to Directive 401/2006. Where possible, please supply min. 1 kg / l	JK / PE	Grape juice – the grape juice content of each sample must be >50%. Legislation: Commission Regulation (EC) No. 1881/2006.
	MPT Ergot Alkaloids (M) (Part 1)	EHS = 13 Samples	1 kg	JK / PE	Samples of rye (most important, but not all packets of Ryvita, if possible), wheat or barley or flour derived from these cereals. Scandinavian brands of rye bread are available on the market. Legislation: Monitoring recommendation is Commission Recommendation 2012/154/EU.
22 April – 03 May	Patulin (M) (Part 1)	EHS = 15 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 1 l	JK / PE	Adult apple juices, drinks containing apple juice. A wide variety of Apple drinks is on sale at retail level. Please place special emphasis on freshly pressed apple juices from retail outlets, such as small shops etc. Legislation: Commission Regulation (EC) No. 1881/2006.
	MPT Ochratoxin A * and Citrinin (M)	EHS = 12 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 1 kg	JK / PE	Samples of rice (incl. wild rice). In some cases it may not be possible to get 1 kg therefore samples should be taken having regard to the regulations and using discretion. Legislation: There are currently no legislative limits for Ochratoxin A and Citrinin in rice. For information purposes only.



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22 April – 03 May Cont'd	MPT Benzoic Acid & Sorbic Acid (A) (Part 2)	EHS = 20	400 g	RB / NM / LH	<p>Sauces and condiments that are labelled as containing the preservatives benzoic acid (E210), sodium benzoate (E211), potassium benzoate (E212), calcium benzoate (E213) sorbic acid (E200), potassium sorbate (E202) and calcium sorbate (E203) either singly or in combination.</p> <p>Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2 and 4 and Annexes I to VI of Directive 95/2/EC will continue to apply until 1st June 2013.</p>
07 – 17 May	MPT PAH (Part 4)	EHS = 15 Samples	Sample according to Regulation (EC) No. 333/2007. Where possible, please supply min. 1 kg	CG / LD / KM	<p>Solid Chocolate e.g. plain milk or dark chocolate, not chocolate-coated products and not white chocolate unless cocoa butter is declared on the label. Please note that chocolate with filling e.g. cream or liqueur or chocolate that contains nuts <u>are not</u> suitable samples.</p> <p>Cocoa butter contains higher levels of PAH than other oils and fats. This is mainly due to inappropriate drying practices of the cocoa beans and the fact that cocoa butter cannot be refined as with other vegetable oils and fats.</p> <p>Legislation: Council Regulation (EU) No 835/2011 has amended Regulation (EC) No 1881/2006. This brings in a limit for PAH in chocolate for the first time and will apply from 01-04-2013. The specific maximum levels for cocoa beans and derived products which will be expressed on the fat.</p>



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07 – 17 May Cont'd	MPT Ergot Alkaloids (M) (Part 2)	EHS = 12 Samples	1 kg	JK / PE	Samples of rye (most important, but not all packets of Ryvita, if possible), wheat or barley or flour derived from these cereals. Scandinavian brands of rye bread are available on the market. Legislation: Monitoring recommendation is Commission Recommendation 2012/154/EU.
	MPT Sugars (A), HMF (A), moisture content (A), diastase number (A), conductivity (A), insoluble matter (A), and acid value (A) Pyrrolizidine Alkaloids (PAs) (M)	EHS = 8 Samples	Min. 250 g	JK / PE	Imported honey samples to be analysed for sugars, HMF, moisture content, diastase number, acid value, insoluble matter and conductivity. Organic honey is of particular interest, also Manuka honey. Please specify 'Honey Parameters' on the sample analysis request form. Legislation: Council Directive 2001/110/EC for honey parameters. PAs are for information only.
	Sulphur Dioxide (A) (Part 1)	LAVS = 25 Samples	400 g	RB / NM / LH	Raw sausages and raw burgers. Pre-packaged sausages and burgers that are labelled as containing sulphur dioxide (E220) or the following sulphites; E221, E222, E223, E224, E226, E227 or E228. If loose samples from meat counters or butchers are to be submitted, please enquire regarding sulphur dioxide content at the time of sampling and include this information on the sample analysis request form. Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2 and 4 and Annexes I to VI of Directive 95/2/EC will continue to apply until 1 st June 2013.



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07 – 17 May Cont'd	MPT Sulphur Dioxide (A) (Part 2) Nitrite and Nitrate (A) (Part 3)	EHS = 12 Samples	400 g	RB / NM / LH	<p>Raw sausages. Pre-packaged sausages that are labelled as containing sulphur dioxide (E220) or the following sulphites; E221, E222, E223, E224, E226, E227 or E228. If loose samples from meat counters or butchers are to be submitted, please enquire regarding sulphur dioxide content at the time of sampling and include this information on the sample analysis request form.</p> <p><u>Please note that sodium nitrite and sodium nitrate are not permitted for use in sausages and, if present, will not be declared as ingredients.</u></p> <p>The same samples will be tested for sulphur dioxide, nitrite and nitrate. Please include all parameters on the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2 and 4 and Annexes I to VI of Directive 95/2/EC will continue to apply until 1st June 2013.</p>
	Ochratoxin A * (A)	EHS = 8 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 400 g	JK / PE	<p>Four samples each of chilli and paprika. In some cases it may not be possible to get 1 kg therefore samples should be taken having regard to the regulations and using discretion. Avoid products labelled 'Chilli' as this is a mixed spice.</p> <p>Legislation: Commission Regulation (EU) No. 594/2012.</p>
20 – 31 May	Nitrate (A) (Part 1)	EHS = 4 Rocket and 4 Lettuce & Spinach	Please sample according to Commission Regulation (EC) No. 1882/2006	RB / NM / LH	<p>Imported fresh rocket. Imported fresh lettuce. Imported fresh baby leaf spinach. Frozen spinach.</p> <p>Samples must be booked in prior to delivery to the Laboratory and can only</p>



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20 – 31 May Cont'd					<p>be accepted Mon-Wed due to the extensive processing of samples required on receipt. It is essential to supply details of the species and country of origin with each sample.</p> <p>Legislation: Commission Regulation (EU) No. 1258/2011.</p>
	<p>MPT</p> <p>Bottled Waters – Check Monitoring – Chemical & Microbiological Analysis</p>	<p>As required by HSE DNE</p>	<p>1 litre – Chemical 1.5 litre – Microbiological</p> <p>Sample according to FSAI and HSE Protocol for National Chemical & Microbiological Sampling & Analysis Programme for Bottled Water (9th October 2012)</p>	<p>KMcC / RH</p>	<p>Bottled waters. Please refer to FSAI Guidance Note No. 25 and the FSAI and HSE Protocol for National Chemical & Microbiological Sampling & Analysis Programme for Bottled Water (9th October 2012) for more detail.</p> <p>As a sampling frequency for bottled natural mineral water (NMW) is not specified in legislation, it has been agreed that the level of sampling performed should be matched to the throughput in the NMW bottling plants.</p> <p>Samples are to be submitted to Dublin PAL as food samples and a completed Food Safety Laboratory Service sample request form must accompany each sample as specified in section 5.4 of the FSAI-HSE bottled water protocol. In the fields “Test(s) Required Chemical” and “Test(s) Required Micro” please specify “Check Monitoring”.</p> <p>Samples must be booked in at the laboratory in advance. Please note that samples may only be submitted on Mondays or Tuesdays during this sampling period so that total colony count can be performed in accordance with the requirements of S.I. 225 of 2007.</p> <p>For information, S.I. 225 of 2007 states that; “after bottling, the total colony count at source may not exceed 100 per millilitre at 20 to 22°C in 72 hours on agar-agar or an agar-gelatine mixture and 20 per millilitre at 37°C in 24 hours on agar-agar. The total colony count shall be measured within the 12 hours following bottling, the water being maintained at 4°C ± 1°C during this 12-hour period.”</p>



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04 – 14 June	3-MCPD	EHS = 15 Samples	Sample according to Regulation (EC) No. 333/2007. Where possible, please supply min. 1 kg	CG / LD / KM	Soy sauce. 3-monochloropropandiol is produced by the acid treatment of soya beans during the manufacturing of soy sauce. It is classified by the IARC as a probable carcinogen. Legislation: Commission Regulation (EC) No. 1881/2006.
	Patulin (M) (Part 2)	EHS = 15 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 1 kg	JK / PE	Products containing apple other than drinks. Refer to the list of products in 2006/1881/EU. Please do not submit Apple Tarts for analysis. Legislation: Commission Regulation (EC) No. 1881/2006.
	MPT Biogenic Amines (A) (Part 3)	EHS = 5 × 9 Samples	500 g per unit, i.e. 4.5 kg/sample (or 1.5–2.0 kg fillets)	JK / PE	Samples of fresh fish of the one type from the one batch from a choice of mackerel, sardines, herrings and anchovies to be taken according to Commission Regulation (EC) No. 1441/2007. Legislation: Commission Regulation (EC) No. 1441/2007.
17 – 28 June	Ochratoxin A * (A)	EHS = 5 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 400 g	JK / PE	Five samples of ginger. In some cases it may not be possible to get 1 kg therefore samples should be taken having regard to the regulations and using discretion. Legislation: Commission Regulation (EU) No. 594/2012.



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17 – 28 June Cont'd	Caffeine (A)	EHS = 20 Samples	250 ml	RB / NM / LH	Energy drinks (non-alcoholic & carbonated) that declare caffeine as an ingredient. Legislation: Directive 2002/67/EC (Labelling).
	Safrole (M)	EHS = 10 Cola Drinks & 10 Foods	250 ml / 400g	RB / NM / LH	Cola drinks (particularly less well known brands, for example from ethic food stores) and cola concentrates (for example from manufacturing sites or soda stream concentrates). Foods – sample types to be advised following further MR&D. For information – Safrole is a substance that is naturally present in flavourings and in food ingredients with flavouring properties. Legislation: Regulation (EC) No. 1334/2008.
	Steviol Glycosides (M)	EHS = 10 Samples	250 ml	RB / NM / LH	Water-based flavoured drinks, energy-reduced or with no added sugar. Please note: regular soft drinks, fruit juices or liquid foodstuffs are not suitable samples for this campaign. All products must be labelled as containing steviol glycosides (E960). For information, steviol glycosides are permitted for use as sweetener in a range of foodstuffs including non-alcoholic water-based drinks. Legislation: Commission Regulation (EU) No. 1131/2011 amending Regulation (EC) No. 1333/2008.



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17 – 28 June Cont'd	MPT				National Survey of Irish Manufactured Food Supplements
	PAH (A) (Part 5)	EHS = 20 Samples	Sample according to Regulation (EC) No. 333/2007 where possible. However due to cost & availability limitations 4 units will be sufficient.	CG / LD / KM	<p><u>Food supplements:</u> Dried extracts of a variety of edible materials e.g. fruits, seeds, spirulina, propolis etc., oil food supplements e.g. cod liver oil, fish oils, evening primrose oil etc. <u>Please note that vitamin or mineral supplements are not appropriate samples for this study.</u></p> <p>A number of information alerts have been raised for these materials and so the focus of this work is gather data for EFSA.</p> <p>Legislation: With the exception of edible oils such as cod liver and evening primrose oil, there are currently no legislative limits for PAH in food supplements.</p>
	Antioxidants – Gallates, TBHQ, BHA & BHT (M)	EHS = 25 Samples	4 Units	RB / NM / LH	<p>Food supplements (as defined in Directive 2002/46/EC) in liquid, capsule, tablet or powder form. Please prioritise products that are labelled as containing the antioxidants propyl gallate (E310), octyl gallate (E311), dodecyl gallate (E312), TBHQ (E319), BHA (E320) or BHT (E321). If it is not possible to source products with these declared antioxidants, please submit products without a declaration.</p> <p>Please avoid products that are marked with a Product Authorisation (PA) which is unique number that indicates that the product has been approved by the Irish Medicines Board as a <u>medicine</u> for human use and has a marketing authorisation allowing it to be sold in Ireland.</p> <p>If appropriate, the same samples will be analysed for antioxidants as for PAH above. Please include all parameters on the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008. Please note that Articles 2 and 4 and Annexes I to VI of Directive 95/2/EC will continue to apply until 1st June 2013.</p>



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01 – 12 July	<p>MPT</p> <p>Zearalenone (A) and Fumonisin B₁ and B₂ (A) and B₃ (M)</p> <p>DON (A), T-2 and HT-2, Diacetylscirpenol/ Nivalenol/ 3-acetylDON/ 15-acetylDON (M)</p>	EHS = 8 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 1 kg	JK / PE	<p>Popcorn, maize and maize products including maize flour, maize grits and maize meal. NOTE 1: cooking oils and sweet corn are not suitable samples, NOTE 2: nachos are of particular interest.</p> <p>The same samples will be used for Zearalenone and Fumonisin analysis. Please specify 'Cereal Parameters' on the sample analysis request form.</p> <p>Popcorn, maize and maize products including maize flour, maize grits and maize meal. NOTE 1: cooking oils and sweet corn are not suitable samples, NOTE 2: nachos are of particular interest.</p> <p>The same samples will be used for both DON and T-2 and HT-2 toxins and other parameters. The same samples will be analysed for DON, T-2 and HT-2 as for Zearalenone and Fumonisin above. Please specify 'Cereal Parameters' on the sample analysis request form.</p> <p>Legislation: Commission Regulation (EC) No. 1881/2006. DON, ZON and Fumonisin B₁ and B₂ (compliance with legislation, T-2 and HT-2 toxins etc. (survey work). Limits have not yet been set for T-2 & HT-2 toxins and other parameters and the purpose of this work is continuing risk assessment.</p>
	Arsenic Speciation (A)	CPAL = 20 Samples	50g homogenised sample	TMCE / IN	Fish and shellfish found to contain total arsenic by CPAL. There is no legislative limit for inorganic arsenic.
15 – 26 July	Ochratoxin A * (M)	EHS = 10 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 400 g	JK / PE	<p>Ten samples of mixed spices. In some cases it may not be possible to get 1 kg therefore samples should be taken having regard to the regulations and using discretion.</p> <p>Legislation: Commission Regulation (EU) No. 594/2012.</p>



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15 – 26 July Cont'd	MPT Benzoic Acid & Sorbic Acid (A) (Part 3)	EHS = 20 Samples	300 ml	RB / NM / LH	Fruit-flavoured bottled waters and soft drinks. <u>Must be labelled as</u> containing benzoic acid (E210), sodium benzoate (E211), potassium benzoate (E212) or calcium benzoate (E213), sorbic acid (E200), potassium sorbate (E202) and calcium sorbate (E203) either singly or in combination as preservative. Legislation: Regulation (EC) No. 1333/2008.
	Benzene			CG / LD / KM	Fruit-flavoured bottled waters. Benzene is a known carcinogen and is thought to be produced by the degradation of benzoic acid in the presence of ascorbic acid and light. There is currently no legislative limit for benzene in soft drinks. The same samples will be analysed for benzene as for benzoic acid and sorbic acid above. Please include all parameters when completing the sample analysis request form.
29 July – 09 Aug	Sulphur dioxide (A) (Part 3)	SFPA = 10 Samples	400 g prawn or shrimp Sufficient crab to yield a minimum of 200g crab meat	RB / NM / LH	Raw crustaceans—prawn, shrimp, crab. For each sample, please identify the crustacean family to which the sample belongs to allow the laboratory to apply the appropriate legislative limit. Legislation: Regulation (EC) No. 1333/2008.



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29 July – 09 Aug Cont'd	Sulphur dioxide (A) (Part 4)	EHS = 12 Samples	400 g	RB / NM / LH	Vacuum-packed peeled, sliced or diced potatoes, parsnips and turnips from manufacturing premises. Please supply unopened vac-packs. Legislation: Regulation (EC) No. 1333/2008.
	MPT Biogenic Amines (A) (Part 4)	SFPA = 2 x 9 Samples	500 g per unit, i.e. 4.5 kg/sample (or 1.5–2.0 kg fillets)	JK / PE	Samples of fresh histidine-rich fish of the one type from the one batch from a choice of mackerel, sardines, herrings and anchovies to be taken according to Commission Regulation (EC) No. 1441/2007. Legislation: Commission Regulation (EC) No. 1441/2007.
	MPT ESBO Migration Testing (A) (Part 1)	EHS = 20 Samples	3 units from the same batch (pack size not specified)	CG / LD / KM	The following foods contained in jars that are sealed with gasket-type seals (see Appendix B) should be taken: baby foods of any fat content. Epoxidised soybean oil (ESBO) is used in PVC gaskets in the metal screw caps used on glass jars. Legislation: Commission Regulation (EU) No. 10/2011.
	Phthalate Migration Testing–Non- approved Plasticisers (Part 1)		Gaskets taken from ESBO samples – see Appendix B	CG / LD / KM	Certain phthalates used in PVC gaskets are regulated in Commission Regulation 10/2011. Certain other plasticisers are not approved for use and should not be present. The same samples will be analysed for phthalates as for ESBO above. Please include both parameters when completing the sample analysis request form. Legislation: Commission Regulation (EU) No. 10/2011.




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12 – 23 Aug	MPT Melamine and Formaldehyde (A) (Part 1)	EHS = 9 Samples	5 of each type sampled	JK / PE	<p>Melamine kitchen utensils and kitchen ware – these are often novelty type utensils, cups, bowls and plates etc. Egg cups are <u>not</u> suitable samples because, during normal use, there is no direct contact between the edible portion of an egg and an egg cup. Melamine articles may have the recycling symbol '7' for 'other plastics' on them i.e. . Articles that look like melamine articles but have any other recycling symbol (1–6) on them are not suitable articles to submit for analysis. See Appendix A for a list of outlets and other instructions. Please place the sticky label on the outside of the article (i.e. non-food contact surface) or the handle of the article.</p> <p>Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Commission Regulation (EU) No. 10/2011.</p>
	Aflatoxin M ₁ * (A)	EHS = 5 Samples	Please sample according to Directive 401/2006. Where possible, please supply min. 400 g	JK / PE	<p>Milk powder that is not produced in DAFM supervised premises. <u>Please note that soya milk and coconut milk are not suitable samples.</u></p> <p>Legislation: Commission Regulation (EC) No. 1881/2006.</p>



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12 – 23 Aug Cont'd	MPT	EHS = 23 Samples			Edible oils. Do not supply virgin or freshly pressed varieties.
	PAH (A) (Part 6)	12 of the 23 samples supplied will be analysed for PAHs	Sample according to Regulation (EC) No. 333/2007. Where possible, please supply min. 1 kg	CG / LD / KM	<p>To prevent contamination special pre-washed glass bottles are available from the lab for oils taken from bulk containers.</p> <p>Legislation: Council Regulation (EU) No 835/2011 has amended Regulation (EC) No 1881/2006 and the amendment which applied from 1 September 2012 has introduced a new maximum level for the sum of four substances (ΣPAH4) (benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) whilst maintaining a separate maximum level for benzo(a)pyrene. There are also specific maximum levels for coconut oil in addition to maximum levels for edible oils and fats.</p> <p>The extraction of oil from oil seeds is sometimes achieved with simple crushing to produce virgin or extra virgin oils. However oil is extracted more efficiently, and cheaply, by pre-treating with acid or roasting followed by solvent extraction. The acid treatment can produce 3-monochloropropandiol esters by the action of acid on triglycerides and the roasting can produce PAHs and also, residual solvent can remain in the final oil.</p>
	Solvent Residues	All 23 samples supplied will be analysed for solvent residues.			<p>Legislation: Commission Directive 2009/32/EC given effect by S.I. 119 of 2010 restricts the use and prescribes maximum residual levels of solvents that are used for this purpose.</p>
	3-MCPD from Esters	All 23 samples supplied will be analysed for 3- MCPD from esters.			<p>Legislation: There are currently no legislative limits for 3-MCPD esters. For information purposes only.</p> <p>Please include "Solvents Residues "and "3-MCPD from esters "testing when completing all the sample analysis request forms. However only include "PAH" testing for 12 of the 25 samples supplied.</p>



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26 Aug – 06 Sept	MPT Biogenic Amines (A) (Part 5) Carbon Monoxide	SFPA = 3 x 9 Samples	500 g per unit, i.e. 4.5 kg/sample	JK / PE	Samples of fresh tuna from the one batch to be taken according to Commission Regulation (EC) No. 1441/2007. As these samples will be tested for both carbon monoxide and biogenic amines, please include both parameters on the sample analysis request form. Legislation: Commission Regulation (EC) No. 1441/2007.
	Carbon Monoxide	SFPA = 6 Samples of Tuna or Swordfish	250 g	LD / KM / CG	Carbon Monoxide (CO) gas is used to enhance the colour of tuna meat to make it appear fresher and more valuable. CO is not a permitted additive. Samples of fresh or frozen tuna and swordfish loin with a particularly bright red appearance should be taken.
	Ochratoxin A * (A)	EHS = 10 Samples	Sample according to Commission Regulation (EU) 178/2010. Where possible, please supply min. 400 g	JK / PE	Coffee–roast beans, ground and instant/soluble, in particular, products at the lower end of the market. Green coffee is not appropriate for this testing. Legislation: Commission Regulation (EC) No. 1881/2006.



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26 Aug – 06 Sept Cont'd	MPT	EHS = 20 Samples	3 units from the same batch (pack size not specified)	CG / LD / KM	<p>The following foods contained in jars that are sealed with gasket-type seals (see Appendix B) should be taken: Jarred, general foods with fat content of greater than 3%. Do not take samples of set foods such as mayonnaise where contact with the gasket is limited.</p> <p>Epoxidised soybean oil (ESBO) is used in PVC gaskets in the metal screw caps used on glass jars.</p> <p>Legislation: Commission Regulation (EU) No. 10/2011.</p>
	Phthalate Migration Testing–Non- approved Plasticisers (Part 2)		Gaskets taken from ESBO samples – see Appendix B	CG / LD / KM	<p>Certain phthalates used in PVC gaskets are regulated in Commission Regulation 10/2011. Certain other plasticisers are not approved for use and should not be present.</p> <p>The same samples will be analysed for phthalates as for ESBO above. Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Commission Regulation (EU) No. 10/2011.</p>
	MPT	EHS = 20 Samples	400 g	RB / NM / LH	<p>Cheeses and spreads that are labelled as containing sorbic acid (E200), potassium sorbate (E202) or calcium sorbate (E203) as preservative.</p> <p>Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008.</p>
	Benzoic Acid & Sorbic Acid (A) (Part 4)				



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09 - 20 Sept	Bisphenol A (M) (Part 1, Canned Foods)	EHS = 8 Samples	5 of each unit selected	JK / PE	Canned foods such as soups, peas, beans, juices etc. Legislation: Commission Regulation (EU) No. 10/2011.
	<p>MPT</p> <p>Zearalenone (A) and Fumonisin B₁ and B₂ (A) and B₃ (M)</p> <p>DON (A), T-2 and HT-2, Diacetylscirpenol/ Nivalenol/ 3-acetylDON/ 15-acetylDON (M)</p> <p>Ochratoxin A (A)</p>	EHS = 8 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 1 kg	JK / PE	<p>Cereals other than those mentioned in sampling periods 11–22 Mar and 1–12 Jul. The same samples will be used for both Zearalenone and Fumonisin analysis.</p> <p>Cereals other than those mentioned in sampling periods 11–22 Mar and 1–12 Jul. The same samples will be used for both DON and T-2 and HT-2 toxins etc. Limits have not yet been set for T-2 & HT-2 toxins and other parameters and the purpose of this work is continuing risk assessment.</p> <p>The same samples will be analysed for DON, T-2 and HT-2 and other parameters as for Zearalenone and Fumonisin above. Please specify 'Cereal Parameters' on the sample analysis request form.</p> <p>Cereals other than those mentioned in sampling periods 11–22 Mar and 1–12 Jul.</p> <p>The same samples will be analysed for Ochratoxin A as for Zearalenone and Fumonisin above. Please specify 'Cereal Parameters' on the sample analysis request form.</p> <p>Legislation: Commission Regulation (EC) No. 1881/2006. OTA and DON (compliance with legislation), T-2 and HT-2 toxins and other parameters (survey work).</p>



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09 - 20 Sept Cont'd	MPT Nitrite and Nitrate (A) (Part 4)	EHS = 3 Samples LAVS = 16 Samples DAFM = 7 Brine Samples	400 g	RB / NM / LH	<p>Cured meats (except cured tongue[‡]) and brines.</p> <p>[‡]The FSAI is currently awaiting clarification from the EU Commission regarding the appropriate legislative limits for nitrite and nitrate in cured tongue. Therefore, please do not submit samples of cured tongue until further notice.</p> <p>Please sample according to the FSAI Guidance Document for Nitrate/Nitrite Sampling of Meat Products and complete the Nitrates and Nitrites in Cured Meats section of the combined Sample Analysis Request Form. Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008.</p>
	MPT Artificial Sweeteners (Part 2) (A) & Sulphur Dioxide (A) (Part 5)	EHS = 10 Cordial/ Squash Drinks	300 ml	RB / NM / LH	<p>Dilutable cordial or squash drinks – energy-reduced or with no added sugar that are labelled as containing the artificial sweeteners aspartame (E951), acesulfame-K (E950), saccharin (E954) or aspartame-acesulfame salt (E962) and sulphur dioxide (E220) or the following sulphites; E221, E222, E223, E224, E226, E227 or E228.</p> <p>The same samples will be analysed for artificial sweeteners and sulphur dioxide. Please include both parameters when completing the sample analysis request form.</p>



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09 - 20 Sept Cont'd	Artificial Sweeteners (A) (Part 3)	EHS = 10 Sauces/Jams	400 g	RB / NM / LH	Savoury sauces (e.g. ketchup, pasta sauce), jams and marmalades that are energy-reduced or with no added sugar. All products must be labelled as containing the artificial sweeteners aspartame (E951), acesulfame-K (E950), saccharin (E954) or aspartame-acesulfame salt (E962). Legislation: Regulation (EC) No. 1333/2008.
23 Sept – 04 Oct	MPT Cadmium & Lead – Migration Testing from Ceramics	FSAI = 20 Samples	4 cups / bowls	TMcE / IN	Migration testing – cadmium and lead from ceramics – cups/bowls from small Irish pottery manufacturers both glazed and unglazed. Legislation: Commission Directive 2005/31/EC.
	Furan (A)	EHS = 35 Baby Foods and 30 Coffee	Commission Recommendation 2007/196/EC states that sampling shall be carried out according to Part B of the Annex to Regulation (EC) No. 333/2007, where possible.	LD / KM / CG	Furan is a process contaminant that is classified by the IARC as a probable carcinogen. It is produced when food is heat-treated in sealed conditions. Data on levels in food is being collected by EFSA to carry out a risk assessment and monitor trends. There are currently no legislative limits for furan in food. Samples of Irish origin should be taken, where possible. These samples will be analysed for furan content before and after preparation according to label instructions, as appropriate. The deadline for reporting of results to the EHS will be the end of December 2013. Accordingly, please ensure that "best before dates" are greater than this.



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23 Sept – 04 Oct Cont'd	MPT Ochratoxin A * (A) Aflatoxin B ₁ PAHs (A) (Part 7)	EHS = 10 Samples	Sample according to Directives 401/2006 and 2004/43/EC. Where possible, please supply min. 1 kg	JK / PE	Dry, cereal-based baby foods (in boxes). Legislation Ochratoxin A & Aflatoxin B ₁ : Commission Regulation (EC) No. 1881/2006. (PAH): Commission Regulation (EC) No. 835/2011 has amended Regulation (EC) No. 1881/2006. This amendment has introduced a new maximum level for the sum of four substances (ΣPAH4) (benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) whilst maintaining a separate maximum level for benzo(a)pyrene. The same samples will be analysed for PAHs, as for Aflatoxin B₁ and Ochratoxin A above. Please include all parameters when completing the sample analysis request form.
	Aflatoxin M ₁ (A)	EHS = 4 Milk & 4 Infant/Follow- on Formula	Please sample according to Directive 2006/401/EU, where possible please supply 500 ml	JK / PE	Milk – imported (EU & non EU). <u>Please note that soya milk and coconut milk are not suitable samples.</u> Imported infant formula and follow-on formula. Legislation: Commission Regulation (EC) No. 1881/2006.
	Quassin (M)	EHS = 10 Samples	250 ml	RB / NM / LH	Bitter lemon non-alcoholic beverages. Please include less well known brands, for example from ethnic food stores For information - quassin is a substance that is naturally present in flavourings and in food ingredients with flavouring properties. Legislation: Regulation (EC) 1334/2008.



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07 - 18 Oct	<p>MPT</p> <p>Bottled Waters Audit Monitoring - Chemical Analysis incl. PAH Analysis (Part 8) & Microbiological Analysis</p>	<p>HSE DNE for all parameters</p> <p>HSE South & HSE West for <u>PAH only</u></p>	<p>1 litre – Chemical 1.5 litre – Microbiological 100 ml – PAH</p> <p>Sample according to FSAI and HSE Protocol for National Chemical & Microbiological Sampling & Analysis Programme for Bottled Water (9th October 2012)</p>	<p>KMcC / RH / LD</p>	<p>Bottled waters. Please refer to FSAI Guidance Note No. 25 and the FSAI and HSE Protocol for National Chemical & Microbiological Sampling & Analysis Programme for Bottled Water (9th October 2012) for more detail.</p> <p>In order to avoid contamination, glass bottles for sampling for PAH testing will be despatched to <u>all</u> sampling officers in advance.</p> <p>As a sampling frequency for bottled natural mineral water (NMW) is not specified in legislation, it has been agreed that the level of sampling performed should be matched to the throughput in the NMW bottling plants.</p> <p>Samples are to be submitted to Dublin PAL as food samples and a completed Food Safety Laboratory Service sample request form must accompany each sample as specified in section 5.4 of the FSAI-HSE bottled water protocol. In the fields “Test(s) Required Chemical” and “Test(s) Required Micro” please specify “Audit Monitoring”.</p> <p><u>For HSE DNE only:</u> Samples must be booked in at the laboratory in advance. Please note that samples may only be submitted on Mondays or Tuesdays during this sampling period so that total colony count can be performed in accordance with the requirements of S.I. 225 of 2007.</p> <p>For information, S.I. 225 of 2007 states that; “after bottling, the total colony count at source may not exceed 100 per millilitre at 20 to 22°C in 72 hours on agar-agar or an agar-gelatine mixture and 20 per millilitre at 37°C in 24 hours on agar-agar. The total colony count shall be measured within the 12 hours following bottling, the water being maintained at 4°C ± 1°C during this 12-hour period.”</p>
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07 - 18 Oct Cont'd	Bisphenol A (M) (Part 2, Canned Foods)	EHS = 8 Samples	5 of each unit selected	JK / PE	Canned foods such as soups, peas, beans, juices etc. Legislation: Commission Regulation (EU) No. 10/2011.
	MPT Perfluoroalkylated Substances (PFAS) (M)	SFPA = 20 Samples	Sample according to Regulation (EC) No. 333/2007. Where possible, please supply min. 1 kg	JK / PE	Survey of PFAS in fish. <u>Fresh</u> filleted samples of, in particular, monkfish, cod, hake, pollock and haddock, mackerel and sardines. Legislation: Commission Recommendation 2010/161/EU.
	Ochratoxin A * (A)	EHS = 5 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 400 g	JK / PE	Five samples of turmeric. In some cases it may not be possible to get 400 g therefore samples should be taken having regard to the regulations and using discretion. Legislation: Commission Regulation (EU) No. 594/2012.



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	PAH (A) (Part 9)	25 - DAFM (5 liquid in glass bottles & 20 powder)	1kg	CG / LD / KM	<p>Infant formula and follow-on formula.</p> <p>Legislation: Council regulation (EU) No 835/2011 has amended Regulation (EC) No 1881/2006 and the amendments which applied from 1 September 2012 has introduced a new maximum level for the sum of four substances (ΣPAH4) (benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) whilst maintaining a separate maximum level for benzo(a)pyrene.</p>
	Taurine (A)	25 - DAFM (5 liquid in glass bottles & 20 powder)		RB / NM / LH	<p>Infant formula and follow-on formula.</p> <p>The same samples will be analysed for taurine as for PAHs above. Please include all parameters when completing the sample analysis request form.</p> <p>Legislation: Commission Directive 2006/141/EC.</p>
	Aflatoxin M ₁ (A)	25 - DAFM (5 liquid in glass bottles & 20 powder)		JK / PE	<p>Infant formula and follow-on formula.</p> <p>The same samples will be analysed for Aflatoxin M₁ as for PAHs above. Please include all parameters when completing the sample analysis request form.</p> <p>Legislation: Commission Regulation (EC) No. 1881/2006.</p>
	ESBO Migration Testing (A)	5 - DAFM (liquid in glass bottles)		CG / LD / KM	<p>Infant formula and follow-on formula. Epoxidised soybean oil (ESBO) is used in PVC gaskets in the metal screw caps used on glass jars.</p> <p>The same 5 liquid samples will be analysed for ESBO as for PAHs above. Please include all parameters when completing the sample analysis request form.</p> <p>Legislation: Commission Regulation (EU) No. 10/2011.</p>



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21 Oct – 01 Nov Cont'd	Phthalates Migration Testing – Non-approved Plasticisers	5 - DAFM (liquid in glass bottles)		CG / LD / KM	<p>Infant formula and follow-on formula.</p> <p>The same 5 <u>liquid</u> samples will be analysed for phthalates as for PAHs above. Please include all parameters when completing the sample analysis request form.</p> <p>Legislation: Certain Phthalates used in PVC gaskets are regulated in Commission Regulation (EU) No. 10/2011. Certain other plasticisers may not be approved for use and should not be present.</p>
	Ochratoxin A * (A)	EHS = 8 Samples	Sample according to Directive 401/2006. Where possible, please supply min. 1 kg	JK / PE	<p>Dried vine fruits (sultanas, currants, raisins).</p> <p>Legislation: Commission Regulation (EC) No. 1881/2006.</p>
	<p>MPT</p> <p>Nitrite and Nitrate (A) (Part 5)</p>	<p>EHS = 4 Samples</p> <p>LAVS = 16 Samples</p> <p>DAFM = 8 Brine Samples</p>	400 g	RB / NM / LH	<p>Cured meats (except cured tongue[‡]) and brines.</p> <p>[‡]The FSAI is currently awaiting clarification from the EU Commission regarding the appropriate legislative limits for nitrite and nitrate in cured tongue. Therefore, please do not submit samples of cured tongue until further notice.</p> <p>Please sample according to the FSAI Guidance Document for Nitrate/Nitrite Sampling of Meat Products and complete the Nitrates and Nitrites in Cured Meats section of the combined Sample Analysis Request Form. Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008.</p>



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04 -15 Nov	MPT Chromium & Nickel – Metal Kitchen Utensils & Cutlery	EHS = 15 Samples	3 of each article	TMCE / IN	Migration testing – chromium and nickel from metal kitchen utensils and cutlery – focus sampling on the lower end of the market e.g. €2 shops etc. Legislation: There are currently no legislative limits for Chromium and Nickel in metal kitchen utensils and cutlery. For information purposes only.
	MPT Ochratoxin A (A)	EHS = 10 samples	Sample according to Directive 401/2006. Where possible, please supply 1 litre (2 standard bottles or 4 small bottles)	JK / PE	Red, White and Rosé Wine. Legislation: Commission Regulation (EC) No. 1881/2006.
	Sulphur Dioxide (A) (Part 6)		Please see above – same samples as for ochratoxin A testing.	RB / NM / LH	Wine—all types. Legislation: Council Regulation (EC) No. 1493/1999 The same samples will be analysed for sulphur dioxide as for ochratoxin A above. Please include both parameters when completing the sample analysis request form.




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04 -15 Nov Cont'd	Sulphur Dioxide (A) (Part 7)	EHS = 10 Samples	400g	RB / NM / LH	<p>Fruit Please do not submit samples of raisins, sultanas or currants. <u>Pitted</u> dried fruit from the following list; prunes, figs, apricots, childrens' fruit snack packs.</p> <p>Avoid samples of mixed dried fruit as different maximum levels may apply to individual fruits and it is not possible to provide an overall judgement on the sample if mixed fruits are present.</p> <p>Pre-packaged samples must be labelled as containing sulphur dioxide (E220) or the following sulphites; E221, E222, E223, E224, E226, E227 or E228. If loose samples are to be submitted, please enquire at the time of sampling, regarding use of sulphur dioxide and include this information on the sample analysis request form.</p> <p>Legislation: Regulation (EC) No. 1333/2008.</p>
	<p>MPT</p> <p>Melamine and Formaldehyde (A) (Part 2)</p>	EHS = 9 Samples	5 of each type sampled	JK / PE	<p>Melamine kitchen utensils and kitchen ware – these are often novelty type utensils, cups, bowls and plates etc. Egg cups are <u>not</u> suitable samples because, during normal use, there is no direct contact between the edible portion of an egg and an egg cup. Melamine articles may have the recycling symbol '7' for 'other plastics' on them i.e. . Articles that look like melamine articles but have any other recycling symbol (1–6) on them are not suitable articles to submit for analysis. See Appendix A for a list of outlets and other instructions. Please place the sticky label on the outside of the article (i.e. non-food contact surface) or the handle of the article.</p> <p>Please include both parameters when completing the sample analysis request form.</p> <p>Legislation: Commission Regulation (EU) No. 10/2011.</p>



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04 -15 Nov Cont'd	Acrylamide (A)	EHS = 22 Samples	The acrylamide monitoring recommendation (2010/307/EU) suggests following the sampling procedures laid down in part B of the Annex to Commission Regulation (EC) No 333/2007 to ensure that the samples are representative of the sampled lot. Min. weights and volumes of 1 kg and 1 litre are given.	LD / KM	<p>This European Commission monitoring programme continues in order to provide data on the effectiveness of measures being taken to reduce the levels in food.</p> <p>French fries, potato crisps and deep fried fries (from potato dough) are to be sampled in March and November.</p> <p>Legislation: There are currently no legislative limits for acrylamide in foods. However, there is a Commission Recommendation from 10/01/2011 on indicative levels of acrylamide in food.</p> <p>The deadline for reporting of results to the EHS will be the end of December 2013. Accordingly please ensure that "use by dates" for non fresh foods are greater than this. Fresh foods e.g. French fries will be frozen before analysis to ensure integrity.</p>
	Nitrate (A) (Part 2)	EHS = 4 Rocket and 4 Lettuce & Spinach	Please sample according to Commission Regulation (EC) No. 1882/2006	RB / NM / LH	<p>Imported fresh rocket. Imported fresh lettuce. Imported fresh baby leaf spinach. Frozen spinach.</p> <p>Samples must be booked in prior to delivery to the Laboratory and can only be accepted Mon-Wed due to the extensive processing of samples required on receipt.</p> <p>It is essential to supply details of the species and country of origin with each sample.</p> <p>Legislation: Commission Regulation (EU) No. 1258/2011.</p>



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18 - 29 Nov	MPT Sugars (A), HMF (A), moisture content (A), diastase number (A), conductivity (A), insoluble matter (A), and acid value (A), Pyrrolizidine Alkaloids (PAs) (M)	DAFM = 10 Samples	Min. 250 g	JK / PE	Honey samples to be analysed for sugars, HMF, moisture content, diastase number, acid value, insoluble matter and conductivity. Please specify ‘Honey parameters’ when completing the sample analysis request form. Legislation: Council Directive 2001/110/EC for honey parameters. PAs are for information only.
	Coumarin (Part 2)	EHS = 15 Samples	400 g	RB / NM / LH	Bakery products including seasonal Christmas products and, if available, breakfast cereals (including muesli) containing cinnamon. Please note that ‘bakery products’ refers to items containing cinnamon that are (i) sold loose in bakeries or (ii) pre-packaged products sold at retail level. For products sold loose from bakeries, please indicate on the sample analysis request form whether or not cinnamon was used in the product preparation (based on the information provided by the manufacturer). Examples of suitable products include; traditional Christmas bakery products, cinnamon whirls, cinnamon biscuits, cinnamon bagels, carrot cakes, apple tarts, apple strudels etc. For information: Coumarin is a flavouring which may be present in cinnamon and also in certain foods to which cinnamon has been added. Legislation: Regulation (EC) No. 1334/2008.



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18 - 29 Nov Cont'd	MPT Photoinitiators	EHS = 15 Samples	3 units from the same batch (pack size not specified)	CG / LD / KM	Benzophenone, 4-Methylbenzophenone and ITX in packaged foods in paperboard e.g. breakfast cereals, pasta, rice, couscous. Legislation: Commission Regulation (EU) No. 10/2011 (for benzophenone only).
	Mineral Oils (M)				The same samples will be analysed for mineral oils as for photoinitiators above. Please include all parameters when completing the sample analysis request form.
02 – 13 Dec	Bisphenol A (M)	EHS = 15 Samples 5 baby bottles 5×~20 litre carboys for drinking water 5 samples of infant food, drinking chocolate and powdered gravy (e.g. Bisto)	5 of each unit selected	JK / PE	Baby bottles (labelled as 'BPA free') New legislation in force banning BPA in baby bottles in 2 nd half 2011. Also drinking water carboys (~20 l, preferably empty) of the type supplied to offices, factories etc. by bottled water suppliers. To reduce costs, the carboys can be damaged and deemed unusable again by the bottled water suppliers. For the samples of infant food, drinking chocolate, and powdered gravy (e.g. Bisto), the packaging should have a foil closure directly above the foodstuff. Legislation: (i) Regulation (EU) No. 321/2011 amending Commission Regulation (EU) No. 10/2011 for baby bottles. (ii) Commission Regulation (EU) No. 10/2011 for carboys.



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02 – 13 Dec Cont'd	Ochratoxin A * (A)	EHS = 6 Samples	Please supply min. 1 litre (2 cans/ 4 bottles beer)	JK / PE	Beer – draught, canned or bottled (especially from microbreweries, if possible). Legislation: There is currently no legislative limit for Ochratoxin A in beer. For information purposes only.
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Other testing that will be on-going throughout 2013 at the Public Analyst's Laboratory, Dublin

1	<p><i>National Mycotoxin Sampling Programme–Bulk Sampling</i></p> <p>100 bulk samples will be accepted for mycotoxin testing (Aflatoxins B₁, B₂, G₁, and G₂, Ochratoxin A, Zearalenone, Fumonisin and DON) in 2013. Please note that for aflatoxin B₁, B₂, G₁, and G₂ testing, only 'bulk' samples will be accepted. An exception to this requirement for aflatoxin B₁, B₂, G₁, and G₂ testing relates to dry cereal-based baby food and peanut butter which are homogeneous products and representative samples can be obtained at retail level.</p> <p>Please also note that the bulk sample capacity is in addition to the retail sampling programme. The number of samples for mycotoxin testing to be taken at retail level is at a reduced level again in 2013 to allow bulk sampling to take place. Having regard to the laboratory's responsibilities as NRL for mycotoxins and the maintenance of competency, some samples are required for each matrix for each mycotoxin to fulfil these laboratory requirements hence the retention of retail sampling at a low level. In addition, some matrices are not yet covered in the legislation and analysis is undertaken for information collection purposes e.g. ochratoxin A in chocolate and beer, T-2 and HT-2 in cereals. It is necessary to book in samples prior to despatch/delivery to the laboratory. Please indicate on the Sample Analysis Request Form if a sample is being submitted as part of the National Mycotoxin Sampling Programme.</p>
2	<p><i>Melamine in Foods</i></p> <p>Food samples will be accepted for melamine testing as required throughout the year according to Commission Regulation (EU) No. 594/2012.</p>
3	<p><i>Co-ordinated EU-wide Enforcement on Lids 2013</i></p> <p>Number of samples: As most countries are participating we will leave the maximum number of samples at 5 per country.</p> <p>Number of jars per sample: We would like you to send us two jars per sample. Perhaps it is a good idea to keep one in your country as a backup, so take three jars per sample (one reserve). Responsibility: Under discussion with NSAI.</p> <p>When to take the samples from the market: In February 2013. The earlier the better, as migration has more time. ATTENTION: The sell by date should not be reached by before the end of October 2013!! Responsibility: EHS.</p>



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	<p>Additional work for the 2013 survey: Compliance work and its traceability by declarations of compliance (DoC) and supporting documentation (SD) performed in the manufacturing chain with regard to the plasticizers migrating from the gaskets of the lids for the food product mentioned above. Applicable legislation is EU Regulations 1935/2004, 2023/2006 and 10/2011: Responsibility: EHS</p> <p>Types of samples: Pre-packed food in glass jars with twist-off lids that are not necessarily domestic, but may be imported from anywhere in the world. The samples should contain at least 5% fat and be sufficiently liquid to allow contact between the food and the lid. Complete Sample Submission Form and submit to the laboratory where the samples will be logged in the normal way. Responsibility: EHS and Laboratory. (I will give the samples a special project and deadline of Dec 2013 so they will not show up as 'exceeding the reporting deadlines').</p> <p>Storing and shaking of samples: Samples should be shaken from time to time, to exchange the content in contact with the lid, in the following manner once a month: 1) Turn upside down for 1 minute 2) Shake briefly but hard. Responsibility: Laboratory.</p> <p>Reporting of samples taken from the market: Please return the completed list (.xls) attached by 28th February 2013 Responsibility: Laboratory.</p> <p>Shipment to the Analysing Laboratory</p>
4	<p><i>Formaldehyde in Melamine Kitchenware and Primary Aromatic Amines in Black Nylon Kitchen Utensils</i></p> <p>Samples (5 per article for testing) will be accepted for testing as required throughout the year according to Commission Regulation (EU) No. 284/2011. Please place the sticky label on the outside of the article (i.e. non-food contact surface) or the handle of the article.</p>



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Lab Contact Details

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If it is not possible to contact the Laboratory staff using the direct dial numbers above, please contact the main PAL tel. no. at 01-6612022 instead.



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Appendix A

Retail Sources of Melamine Kitchen Utensils & Kitchenware & Black Nylon Kitchen Utensils

1. Woodie's
2. B&Q
3. Atlantic Homecare
4. Homestore and More
5. Homebase
6. 4Home superstores
7. Heaton's
8. Costcutter
9. Marks & Spencer
10. Meadows and Byrne
11. Pound Shop
12. Debenhams
13. Brown Thomas
14. Harvey Nichols
15. House of Fraser
16. Stock
17. Arnott's
18. Tesco
19. Superquinn
20. Dunnes
21. Londis
22. Spar



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- 23. Aldi
- 24. Lidl
- 25. Local Hardware Shops—e.g. Decwells, Georges St. and Pearse St. Hardware, Pearse St.—small shops local to the laboratory.
- 26. Argos
- 27. Avoca Handweavers
- 28. All Rooms
- 29. Snow and Rock

Note 1: It has not been determined if these types of utensils and kitchenware are available in all these outlets, nor is it an exhaustive list of outlets—further suggested outlets and samples from them are welcome.

Note 2: It is desired to have samples from as many outlets as possible to cover the widest geographical range of utensils available both in terms of price and quality and to give a true picture of what is available in the Irish market.



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Appendix B

Example of a gasket-type seal

