



Proficiency Testing Schemes

ISO/IEC 17043



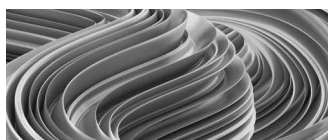
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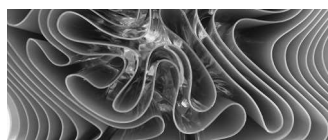
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LGC AXIO Proficiency Testing operates schemes in a wide range of sectors from Food to Forensic, Consumer Safety to Clinical. Whatever your quality and testing needs, AXIO will have the scheme and sample options that will deliver the confidence in your results that you are looking for.



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A detailed black and white micrograph of plant tissue, showing a network of thick, dark cell walls forming irregular, polygonal cells. The cells are tightly packed, and some contain lighter, granular internal structures. This image serves as a background for the top and bottom portions of the page.

Food Chemistry

International food safety regulations have evolved to reflect the incredible variety of foods that modern technology allows us to enjoy year-round, all around the world. Since the goods we produce can contain potentially harmful chemicals from multiple sources, extensive laboratory testing is fundamental for food safety and stability, as well as quality and customer satisfaction.

Our Food Chemistry Scheme (QFCS) is an extremely diverse programme aimed at supporting labs to demonstrate their capability over a vast range of food analytes, and ensure their regulatory compliance whatever the market they are selling in.

Encompassing more than 500 analytes and over 100 individual samples, QFCS provides participating laboratories with a holistic, full-product approach that not only takes in pesticides, allergens, toxins, trace elements, etc., but also packaging, nutritional analysis and subtler aspects of quality – including authenticity for herbs and olive oil.



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Description

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-FC-760	Liquid	100ml	Sorbic Acid; Benzoic Acid; Sulfur Dioxide	2
PT-FC-761	Liquid	100ml	Acesulfame K; Aspartame; Saccharin; Sucralose	2
PT-FC-762	Liquid	100ml	Ponceau 4R; Carmoisine; Sunset Yellow; Indigo Carmine	2
PT-FC-763	Liquid	100ml	Allura Red; Tartrazine; Quinoline Yellow; Brilliant Blue	2
PT-FC-770	Cereal/Crackers/Biscuits	100g	Energy; Fat; Carbohydrate; Total Sugars; Total Dietary Fibre; Protein; Salt; Sodium; Ash; Moisture; Phosphate; Magnesium; Potassium; Zinc	4
PT-FC-771	Cereal	200g	Vitamin A; B1 (Thiamine); B2 (Riboflavin); B3 (Niacin); B5 (Pantothenic Acid); B6; B9 (Folic acid); B12; C; D; Iron	2
PT-FC-772	'Ready to eat' product	200g	Energy; Fat; Saturates; Mono-unsaturates; Poly-unsaturates; Total trans fatty acids; Carbohydrate; Total Sugars; Dietary Fibre; Protein; Salt; Sodium; Ash; Moisture; Phosphate; Cholesterol; Total dietary fibre	4
PT-FC-774	Cured meat/Jam/Biscuits/Dates/Hard cheese	50g	Water activity	5
PT-FC-775	Flour	100g	Fat; Protein; Total dietary fibre; Ash; Moisture; Calcium; Iron	2
PT-FC-776	Bread	100g	Fat; Protein; Total Dietary Fibre; Acidity; Ash; Moisture; Sodium; Chloride; Calcium; Iron; Vitamins B1; B2; B3; pH	2
PT-FC-777	Dried tea	50g	Pesticides, Nicotine	1
PT-FC-778	Coconut oil/Palm oil/Soybean oil/Sunflower oil	150g	Water; Free fatty acids; Saponification value; Unsaponifiable matter; Anisidine value; Colour; Iodine value; Peroxide value; Fatty acid composition*	2
PT-FC-779	Nuts	50g	Aflatoxins B1; B2; G1; G2; Total Aflatoxins	2
PT-FC-780	Dried tea	50g	Total Arsenic; Cadmium; Mercury; Lead; Selenium; Nickel	1
PT-FC-781	Flour	25g	Gluten	2
PT-FC-782	Mixed Fat Spread	100g	Total Fat; Saturates; Mono-unsaturates; Poly-unsaturates; Total trans fatty acids; Omega 3; Omega 6; Salt; Water; pH; Vitamin A; Vitamin D	2
PT-FC-783	Tomato paste/puree	150g	pH; Brix; Total acidity; Total solids; Ash; Salt; Bostwick Viscosity	2
PT-FC-784	Cereal	50g	Total Arsenic; Cadmium; Lead; Mercury; Nickel	1
PT-FC-785	Edible Oil	50g	Total Arsenic; Cadmium; Lead; Mercury	1
PT-FC-786	Dried Fruit	50g	Total Arsenic; Cadmium; Lead; Mercury	1
PT-FC-787	Spinach	50g	Nitrate	1
PT-FC-788	Snacks (e.g. potato crisps)	50g	Acrylamide	1
PT-FC-789	Rice	10g	Total Arsenic; Total Inorganic Arsenic; Arsenic III; Arsenic V; Cadmium; Lead	1
PT-FC-790	Extra virgin olive oil	2 x 200ml & 1 x 50ml	Peroxide value; Free fatty acids (Acidity); Wax content; 3,5 Stigmastadienes; Ethylesters; Total Sterols; -7-stigmastanol; Insoluble Impurities; Moisture and Volatile Matter at 103°C; Total Polyphenols; Fatty Acid Composition	2

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-FC-791	Olive oil	2 x 200ml	Free fatty acids (Acidity); K270; Wax content; beta;-sitosterol (apparent); Campesterol; Erythrodiol; Uvaol; Accelerated Oxidation test (Rancimat) at 120 degrees C; 2-glyceryl monopalmitate; Fatty Acid composition	2
PT-FC-792	Spinach	50g	Perchlorate	1
PT-FC-793	Cake	100g	Energy; Fat; Total Sugars; Total Dietary Fibre, Protein; Acidity; Ash; Moisture; Sodium; Chloride; Calcium; Salt	2
PT-FC-794	Chilli powder/Paprika	100g	Aflatoxins B1; B2; G1; G2; Total aflatoxins; Ochratoxin A (spiked)	1
PT-FC-796	Frying oil	150g	Total polar compounds; Free fatty acids (Acidity); Accelerated oxidation test (Rancimat) at 120°C	2
PT-FC-797	Dried Fruit	200g	Sulfur dioxide	1
PT-FC-798	Infant vegetable food	100g	Nitrate	1
PT-FC-799	Cake mix powder	2 x 20g	Egg white protein; Presence/absence of egg white	1
PT-FC-801	Honey	200g	Moisture; Electrical conductivity; Ash; pH; Free acidity; Hydroxymethylfurfural (HMF); Diastase enzymatic activity (Diastase number); Fructose; Glucose; Sucrose; Water insoluble solids; Apparent reducing sugars	2
PT-FC-802	Coffee	200g	Water; Ash; pH; Total acidity; Total chlorogenic acid; Caffeine; Potassium; Phosphorus; Magnesium; Calcium; Copper	1
PT-FC-803	Palm oil	50g	Sudan IV	1
PT-FC-804	Dried Fruit	200g	Aflatoxins B1; B2; G1; G2; Total Aflatoxins; Ochratoxin A	1
PT-FC-805	Vegetable oil	50ml	Benzo[a]pyrene; Benz[a]anthracene; Benzo[b]fluoranthene; Chrysene;;Sum of EU 4 PAHs	1
PT-FC-806	Cod liver oil	100ml	cis Alpha-linolenic acid (ALA); cis Eicosapentaenoic acid (EPA); cis Docosapentaenoic (DPA); cis Docosahexaenoic (DHA); Monounsaturated fatty acids; Polyunsaturated fatty acids; Saturated fatty acids; Total EPA+DHA Omega-3 fatty acids; Total Omega-3 fatty acids; Total Omega-6 fatty acids; Total Omega-9 fatty acids; Omega-3 : Omega-6 ratio; Total trans fatty acids; Vitamin A; Vitamin D	1
PT-FC-807	Barley flour	25g	AMPA; Glyphosate	1
PT-FC-808	Rice flour	2 x 20g	Almond; Presence/absence of almond	1
PT-FC-809	Rice flour	2 x 20g	Soy; Presence/absence of soy	1
PT-FC-810	Infant formula powder	2 x 20g	β-lactoglobulin; Presence/absence of β-lactoglobulin	1
PT-FC-811	Ketchup	200g	Energy; Fat; Saturates; Carbohydrate; Total sugars; Protein; Salt; Total dietary fibre; Soluble solids; pH; Total acidity; Citric acid; Formol number	2
PT-FC-812	Mayonnaise	150g	Energy; Fat; Saturates; Total trans fatty acids; Carbohydrate; Total sugars; Protein; Salt; Sodium; pH; Cholesterol; Total acidity	2
PT-FC-813	Mustard	150g	Energy; Fat; Saturates; Carbohydrate; Total sugars; Protein; Salt; Total dietary fibre; pH; Total acidity; Erucic acid	1

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-FC-814	Canned fruit	2 x cans	Drained weight; pH; Energy; Carbohydrate; Total sugars; Glucose; Fructose; Total dietary fibre	2
PT-FC-815	Ground pepper	200g	Moisture; Total ash; Crude fibre, insoluble index; Volatile oil; Piperine content; Acid insoluble ash; Non volatile ether extract; Water activity	2
PT-FC-816	Ground pasta	100g	Energy; Fat; Saturates; Carbohydrate; Total sugars; Protein; Ash; Moisture; Total dietary fibre	1
PT-FC-817	Jam or marmalade	100g	Energy; Fat; Carbohydrate; Protein; Total sugars; Fructose; Glucose; Soluble solids; pH; Moisture; Ash; Total acidity; Brix	2
PT-FC-818	Sample A / Sample B (both potentially contaminated)	-	Presence/absence; Identification of foreign body	2
PT-FC-819	Table salt	300g	Purity; Moisture; Sulfate; Iodine; Calcium; Magnesium; Total Arsenic; Lead; Cadmium; Mercury; Copper, Ferrocyanide	2
PT-FC-820	Food product	100g	Lactose (low level)	2
PT-FC-821	Dehydrated food product	150g	Energy; Fat; Saturates; Total trans fatty acids; Carbohydrate; Total sugars; Protein; Salt; Sodium; Cholesterol	2
PT-FC-822	Vinegar	100ml	Total acidity; Total ash; Density; Total dry extract; Volatile acidity; pH	2
PT-FC-823	Infant formula powder	50g	Alanine (free); Arginine (free); Aspartic acid (free); Glutamic acid (free); Glycine (free); Histidine (free); Isoleucine (free); Leucine (free); Lysine (free); Phenylalanine (free); Proline (free); Serine (free); Threonine (free); Tyrosine (free); Valine (free); Cystein & Cystine (sum of); Methionine (free); Tryptophan (total); N-acetyl-L-methionine	1
PT-FC-824	Instant coffee	200g	Moisture; Solubility in cold water at 16 degrees;; Fat; Carbohydrate; Total glucose; Protein; Total dietary fibre; Ash; pH; Total chlorogenic acids; Caffeine; Total xylose	2
PT-FC-825	Dried oregano/cinnamon/cassia	15g	Confirmation of authenticity	2
PT-FC-826	Chilli powder/sauce	20g	Capsaicin; Dihydrocapsaicin; Nordihydrocapsaicin; Heat unit	2
PT-FC-827	Infant fruit/vegetable puree	20g	Total Arsenic; Inorganic arsenic; Cadmium; Lead	1
PT-FC-828	Roasted and salted peanuts	150g	Energy; Fat; Saturates; Carbohydrate; Total sugars; Protein; Salt; Sodium; Moisture	1

★ PRODUCT HIGHLIGHT

PT-FC-774 - Water Activity

As a result, water activity measurement is used as a critical control point in many food production processes. As a result water activity is measured with a high frequency, in a range of different matrices, making it one of AXIO's most popular food PT samples.

70 participants on average

6 Rounds per Year

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-FC-829	Dried tea	100g	Water extract; Total ash; Water soluble ash; Crude fibre; Moisture; Caffeine	2
PT-FC-830	Fruit/vegetable purée	20g	Vitamin C (as ascorbic acid)	1
PT-FC-831	Ground poppy seeds	15g	Morphine; Codeine	1
PT-FC-832	Non-wheat flour	100g	Fat; Protein; Total dietary fibre; Ash; Moisture; Calcium	3
PT-FC-833	Baby food purée	150g	Energy; Fat; Saturates; Carbohydrate; Total sugars; Protein; Total dietary fibre; Salt; Sodium	1
PT-FC-834	Potato chips	100g	Energy; Fat; Saturates; Monounsaturates; Moisture; Polyunsaturates; Total trans fatty acids; Carbohydrate; Total sugars; Protein; Total dietary fibre; Salt; Sodium	1
PT-FC-835	Tortilla chips	100g	Energy; Fat; Saturates; Monounsaturates; Moisture; Polyunsaturates; Total trans fatty acids; Carbohydrate; Total sugars; Protein; Total dietary fibre; Salt; Sodium	1
PT-FC-836	Pome fruits	2 x 100g (spiked & blank)	Pesticides; Glyphosate, AMPA	1
PT-FC-837	Citrus fruits	2 x 100g (spiked & blank)	Pesticides; Glyphosate; AMPA; Glufosinate	1
PT-FC-838	Fruiting vegetables	2 x 100g (spiked & blank)	Pesticides; Glyphosate, AMPA	1
PT-FC-839	Root & tuber vegetables	2 x 100g (spiked & blank)	Pesticides; Glyphosate, AMPA	1
PT-FC-840	Pulses	2 x 50g (spiked & blank)	Pesticides; Glyphosate, AMPA	1
PT-FC-841	Cereals	2 x 50g (spiked & blank)	Pesticides; Glyphosate, AMPA	1
PT-FC-843	Spices	2 x 50g (spiked & blank)	Pesticides	1
PT-FC-845	Rice	100g	Aflatoxins B1; B2; G1; G2; Total aflatoxins; Ochratoxin A; Zearalenone	1
PT-FC-846	Food labelling benchmark	-	Assessment to Regulation (EU) 1169/2011 as amended and the retained law in the UK	1
PT-FC-848	Vegan food	10g	Presence or absence of animal DNA	1
PT-FC-849	Gummy sweets	3 x gummies	Cannabidiol	1
PT-FC-850	Vanilla extract	3 x 20ml	Vanillin; Ethyl alcohol; Density Refractive index at 20°C	1
PT-FC-851	Pasta sauce	25g	Gluten	1
PT-FC-852	Processed meat	2 x 20g	Gluten; Egg white protein; Presence/absence of gluten; Presence/absence of egg white protein	1
PT-FC-853	Almond milk	2 x 25g	Soy; Milk protein; Presence/absence of soy protein; Presence/absence of milk protein	1
PT-FC-854	Biscuits	20g	Gluten; Egg white protein; Presence/absence of gluten; Presence/absence of egg white protein; Presence/absence of milk protein	1
PT-FC-855	2 x Surface to swab	-	Presence/absence of Gluten	1

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Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-FC-856	Pickled cucumbers	100g	pH; Total Acidity; Calcium Chloride; Salt	1
PT-FC-857	Sesame paste	60g	Ethylene oxide; 2-chloroethanol as a sum of ethylene oxide and 2-CE; Ethylene oxide; 2 chloroethanol	1
PT-FC-858	Relish	100g	pH; Brix; Total Acidity; Salt	1
PT-FC-861	Garlic powder	300g	Moisture; Sulfur dioxide; Allicin; Ash (total); Acid insoluble ash; Bulk index; Bulk density (Untapped density); Tapped density; Volatile organic sulfur compounds content	1
PT-FC-862	Peanut butter	50g	Fat; Salt; Moisture	2
PT-FC-863	Bakery products/Fermented flour	100g	Propionic acid (E280); Sorbic acid (E200); Benzoic acid (E210); Citric acid (E330); Tartaric acid (E334); Acetic acid (E260); Malic acid (E296); Butyric acid	2
PT-FC-864	Tomato paste	25g	Vitamin A; Colour	1
PT-FC-865	Green coffee	25g	Moisture	1
PT-FC-866	Ground pepper	10g	Total Arsenic; Cadmium; Lead; Mercury	1
PT-FC-867	Ground corn (maize flour)	100g	Aflatoxins B1; B2; G1; G2; Total aflatoxins; Ochratoxin A; Zearalenone	1
PT-FC-868	Spices	20g	Ethylene oxide; 2-chloroethanol as a sum of ethylene oxide and 2-CE; Ethylene oxide NEW; 2 chloroethanol	1
PT-FC-869	Spices	50g	Water activity; Moisture	1
PT-FC-870	Paprika	300g	Bulk index; Bulk density (Untapped density); Tapped density	1
PT-FC-871	Herbs	10g	Total Arsenic; Cadmium; Lead	1
PT-FC-872	Simulant	50ml	Bisphenol A; Bisphenol S	1
PT-FC-874	Simulant	50ml	Lead; Cadmium	1
PT-FC-875	Vegetable/seed oil	20ml	DEHP; BBP; DBP	1
PT-FC-876	Ketchup/mayonnaise	50g	Water activity	1
PT-FC-877	Plant based meat	150g	Energy; Fat; Saturates; Mono-unsaturates; Poly-unsaturates; Total trans fatty acids; Carbohydrate; Total sugars; Total dietary fibre; Protein; Salt	1
PT-FC-878	Cereals/grains	5g	Qualitative identification of the GM Events; Quantification of GM events detected	1
PT-FC-879	Herbs	300g	Moisture; Acid Insoluble Ash; Ash; Volatile Oil; Water activity	1
PT-FC-880	Herbs	2 x 50g (spiked & blank)	Pesticides	1
PT-FC-881	Instant/ground coffee	50g	Acrylamide	1
PT-FC-882	2 x Surface to swab	-	Presence/absence of Peanut protein; Presence/absence of Sesame protein; Presence/absence of Soya protein	1
PT-FC-883	Soya sauce	100ml	pH; Total titratable acidity; Total sugars; Sorbic acid (E200); Salt; Sodium; Magnesium; Potassium; Calcium	1
PT-FC-884	Dried dates	50g	Total sugars; Total dietary fibre; Protein; Ash; Moisture	1
PT-FC-885	Food product	20g	Titanium dioxide	1
PT-FC-886	Spices	25g	Dyes	1

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-FC-890	Chilli powder/paprika	100g	Aflatoxins B1; B2; G1; G2; Total aflatoxins; Ochratoxin A (natural levels)	1
PT-FC-891	Food product	50g	Xylitol; Isomalt; Sorbitol; Maltitol; Mannitol	2
PT-FC-892	Vanilla bean powder	50g	Moisture; Vanillin; Vanillic acid; p-hydroxybenzoic acid; phydroxybenzaldehyde	1
PT-FC-893	Flavouring powder	25g	Water by Karl Fisher	1
PT-FC-894	Liquid Vanilla aroma (sugar based)	50ml	Water activity; Density; Vanillin; Brix	1
PT-FC-895	Spice mix	100g	Salt; Volatile oil; Piperine content	1
PT-FC-896	Cake mix	25g	Gluten (quantitative)	1
PT-FC-897	Food product	2 x 25g	Peanut (quantitative); Presence/absence of peanut protein	1
PT-FC-898	Infant breakfast cereals	2 x 25g	Milk (quantitative); Presence/absence of milk	1
PT-FC-899	Infant soya formula	2 x 25g	Gluten; Milk protein; Presence/absence of gluten; Presence/absence of milk protein	1
PT-FC-900	Food product	Various	pH	1
PT-FC-901	2 prepacked products for net content	-	Net content	1

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
NEW PT-FC-889	Powdered turmeric	20g	Curcumin; Demethoxycurcumin; Total Curcuminoids	1
NEW PT-FC-902	Maize flour	125g	Fumonisin B1; Fumonisin B2; T-2; HT-2	1
NEW PT-FC-903	Maize oil	50ml	Deoxynivalenol (DON); Zearalenone (ZON)	1
NEW PT-FC-904	Plant based cheese	100g	Total fat; Protein; Salt; Ash; Moisture; Water activity; pH	1
NEW PT-FC-905	Cereal	20g	Ethylene oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide); Ethylene oxide; 2 chloroethanol	1
NEW PT-FC-906	Dried onions or garlic	100g	Bulk index	1
NEW PT-FC-907	Soya, almond or oat milk	150ml	Total fat; Protein; Carbohydrate (total & available); Total sugars; Salt; Ash; Total solids; pH	1
NEW PT-FC-908	Walnuts	150g	Water activity; Peroxide value; Free fatty acids (acidity); Moisture	1
NEW PT-FC-909	Powdered baby food	20g	Vitamin C (as ascorbic acid)	1
NEW PT-FC-910	Egg powder	30g	Perfluorononanoic acid (PFNA); Perfluorooctanoic acid (PFOA); Perfluorohexane sulfonic acid (PFHxS); Perfluorooctane sulfonic acid (PFOS); Sum of 4 PFAS	1
NEW PT-FC-911	Rice	50g	Total MOAH; MOAH $\geq$ n-C10 to $\leq$ n-C16; MOAH $>$ n-C16 to $\leq$ n-C25; MOAH $>$ n-C25 to $\leq$ n-C35; MOAH $>$ n-C35 to $\leq$ n-C50	1
NEW PT-FC-912	Tomato sauce	25g	Dyes	1
ENHANCED PT-FC-780	Green tea	50g	Nickel	1
ENHANCED PT-FC-784	Cereal grain	50g	Nickel	1
ENHANCED PT-FC-823	Infant formula	50g	N-acetyl-L-methionine	1
ENHANCED PT-FC-861	Garlic powder	300g	Volatile organic sulfur compounds content	1
ENHANCED PT-FC-892	Vanilla	50g	Vanillic acid; para Hydroxy Benzoic acid; para Hydroxy Benzaldehyde	1

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Meat & Fish

“Official control laboratories must

Global demand for high-quality meat, fish and seafood products remains strong – with the world producing more than three times as much meat as it did 50 years ago, and seafood accounting for 7% of our total protein intake. Customer expectations that such products are both authentic and free from original, fraudulent or accidental contamination mean that manufacturing processes are highly regulated. As a result, official control laboratories must be accredited to ISO/IEC 17025 and participate in proficiency testing.

AXIO's Meat and Fish Scheme (QMAS) is designed to ensure that the wide range of laboratories involved in ensuring that products are compliant – from in-house and contract organisations to government institutions – can have confidence in the integrity of their results. It also encompasses a wide range of analyses, from quality assurance and elemental testing, to authenticity and contaminant testing employing sophisticated instrumental analysis.



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Description

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-MT-718	Fish	30g	Nitrate; Nitrite	1
PT-MT-725	Lyophilised Chicken	2 x 25g	Detection of <i>Salmonella</i> Typhimurium; <i>Salmonella</i> Enteritidis;	1
PT-MT-726	Meat	Vial + 10g sample	Enumeration of <i>Campylobacter</i> species	2
PT-MT-727	Lyophilised tablet	Vial to be reconstituted	Detection of <i>Escherichia coli</i> O157; Detection of <i>Salmonella</i> species	1
PT-MT-728	Fish	150g	Energy; Fat; Saturates; Carbohydrate; Dietary fibre; Protein; Salt; Ash; Moisture; Sugar	1
PT-MT-729	Meat	50g	Sulfur dioxide	1
PT-MT-730	Dried or cured meat	150g	Energy; Total Fat; Saturates; Cholesterol; Carbohydrate; Total Sugars; Dietary Fibre; Protein; Salt; Ash; Moisture; Sodium; Phosphate; pH	2
PT-MT-731	Precooked, raw or processed meat	150g	Energy; Total Fat; Saturates; Cholesterol; Carbohydrate; Total Sugars; Dietary Fibre; Protein; Salt; Ash; Moisture; Sodium; Phosphate; pH; Calcium; Potassium; Iron; Magnesium	4
PT-MT-732	Lyophilised meat	30g	Nitrate; Nitrite	4
PT-MT-733	Meat	150g	Hydroxyproline; Starch; Total fat; Saturates; Monounsaturates; Poly-unsaturates; Total trans fatty acids;	4
PT-MT-734	Fish	150g	Fat; Protein; Salt; Ash; Moisture; pH; Fat (High)	4
PT-MT-735	Lyophilised meat	10g	Total aerobic mesophilic count; Enumeration of Enterobacteriaceae; Coliforms; <i>Escherichia coli</i> ;	4
PT-MT-736	Lyophilised meat	25g	Detection of <i>Salmonella</i> species;	4
PT-MT-737	Lyophilised meat	25g	Detection of <i>Listeria</i> species; <i>Listeria monocytogenes</i> ; Identification of <i>Listeria</i> species	4
PT-MT-738	Lyophilised meat	10g	Total anaerobic mesophilic count; Enumeration of <i>Clostridium perfringens</i> ; Sulphite reducing bacteria; Coagulase positive staphylococci	4
PT-MT-739	Lyophilised fish or shellfish	Vial + 10g sample	Total aerobic mesophilic count; Enumeration of Enterobacteriaceae; <i>Escherichia coli</i> ; Coagulase positive staphylococci; Coliforms	2
PT-MT-740	Lyophilised fish or shellfish	Vial + 25g sample	Detection of <i>Salmonella</i> species	2

★ PRODUCT HIGHLIGHT

PT-MT-731 - Meat-Based Sample

This is normally either a raw meat used in the production of burgers or sausages, or a cooked/processed meat product. This sample tends to represent meat products more routinely consumed in the northern hemisphere, whilst sample 730 (cured meats) represents those more commonly found in the southern hemisphere.

18 analytes in one sample

4 Rounds per Year

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
PT-MT-741	Shellfish	50g	Total Arsenic; Cadmium; Zinc; Mercury; Lead; Phosphorus	2
PT-MT-742	Fish	50g	Total Arsenic; Cadmium; Zinc; Mercury; Lead; Phosphorus; Methyl mercury	2
PT-MT-743	Lyophilised meat	Vial + 25g sample	Detection of <i>Campylobacter</i> species in 10g; <i>Campylobacter</i> species in 25g	2
PT-MT-744	Lyophilised meat	Vial + 25g sample	Detection of <i>Escherichia coli</i> O157	2
PT-MT-745	Lyophilised fish or shellfish	Vial + 25g sample	Detection of <i>Vibrio</i> species; <i>Vibrio parahaemolyticus</i>	2
PT-MT-746	Lyophilised meat	10g	Enumeration of <i>Pseudomonas</i> species; Lactic acid bacteria; Yeast; Mould; Yeast and Mould	4
PT-MT-747	Meat	50g	Total Arsenic; Cadmium; Zinc; Mercury; Lead	2
PT-MT-748	Fish	150g	Histamine; Total volatile nitrogen (TVN); Trimethylamine (TMA)	3
PT-MT-749	Meat	1 x set of 2 samples (2g each)	Meat authenticity; Species stated to be screened for presence of other species of meat, e.g. chicken, pork, horse, beef, lamb.; Analytes will vary each round.	4
PT-MT-752	Fish	4 x 20g	Fish species identification	2
PT-MT-754	Freeze-dried prawn	10g	Detection of <i>Listeria</i> and <i>Listeria monocytogene</i>	1
PT-MT-755	Meat	100g	Ractopamine	1
PT-MT-756	Meat	2 x vial + 1 x minimum 20g matrix	Quantitative Package: Total aerobic mesophilic count; Enumeration of Total coliforms; Enterobacteriaceae; <i>Escherichia coli</i> ; <i>Bacillus cereus</i> ; Coagulase positive staphylococci; Yeast; Mould; Yeast and Mould; Detection of coagulase positive staphylococci	4
PT-MT-757	Meat	2 x vial + 1 x minimum 200g matrix	Qualitative Package Detection of <i>Escherichia coli</i> O157 (non-toxigenic strain); <i>Listeria</i> species; <i>Listeria monocytogenes</i> ; <i>Salmonella</i> species Identification of <i>Listeria</i> species; <i>Salmonella</i> species	4
PT-MT-758	Lyophilised meat	10g	Enumeration of aerobic psychrotrophs	1
PT-MT-759	Lyophilised meat	10g	Enumeration of <i>Listeria</i> species; <i>Listeria monocytogenes</i>	2
PT-MT-763	Meat Powder	375g	Detection of <i>Salmonella</i> species	1
PT-MT-764	Meat Powder	125g	Detection of <i>Listeria</i> sp. and <i>Listeria</i>	1
PT-MT-765	Fish/meat	30g	Perfluorononanoic acid (PFNA); Perfluorooctanoic acid (PFOA); Perfluorohexane sulfonic acid (PFHxS); Perfluorooctane sulfonic acid (PFOS); Sum of 4 PFAS	1

Sample Code	Matrix	Quantity of Matrix	Analytes	Rounds per Year
NEW PT-MT-766	Offal	50g	Total Arsenic; Cadmium; Mercury; Lead	1
ENHANCED PT-MT-734	Fish	150g	Fat (High)	4

