Schedule of Accreditation

issued by

United Kingdom Accreditation Service

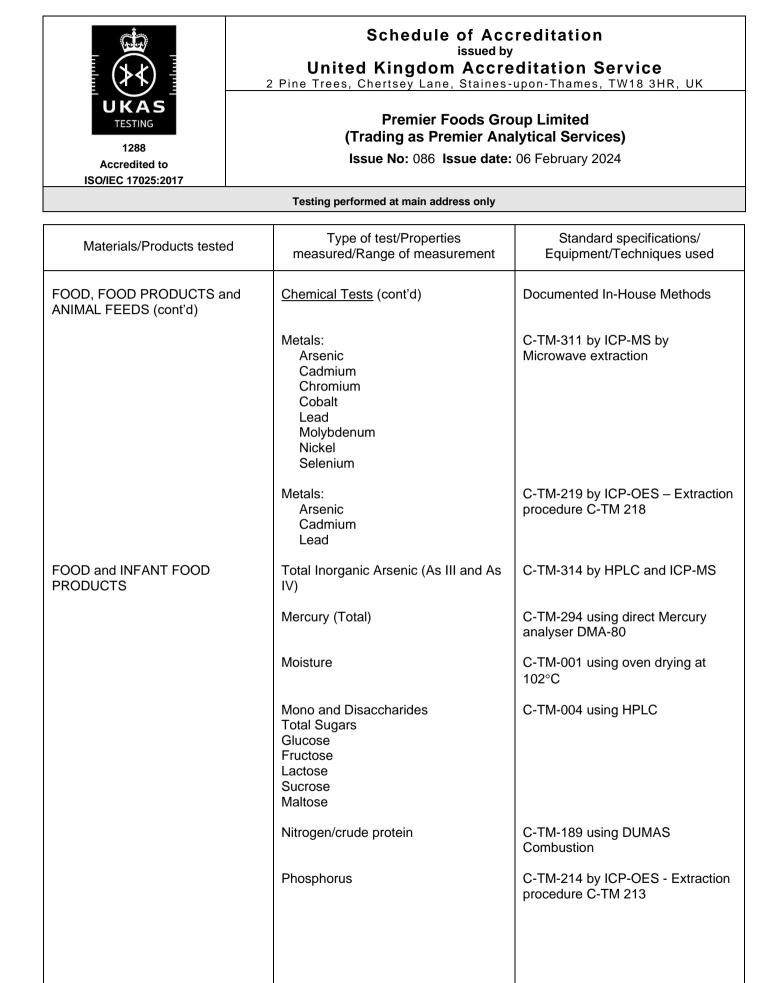
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

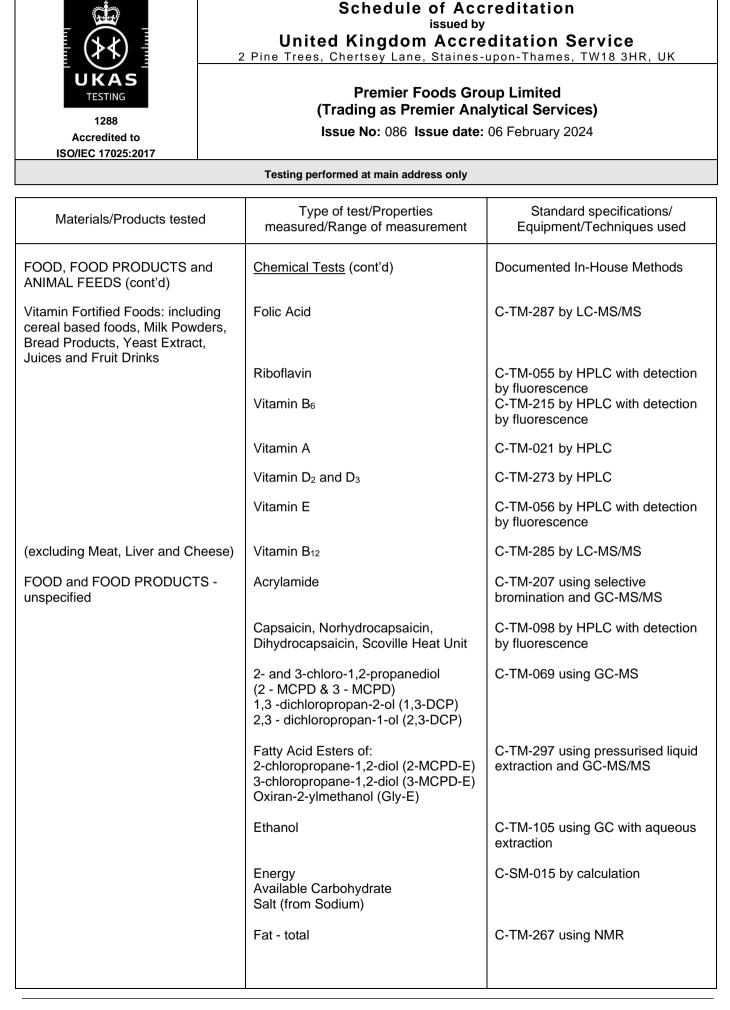


DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Chemical Tests	Documented In-House Method
BAKERY and DAIRY FOOD TYPES	Fructans	C-TM-142 using HPLC with electro- chemical detection
COFFEE and COCOA PRODUCTS	Caffeine	C-TM-068 using HPLC
FOOD CONTACT MATERIALS	1,3-dichloropropan-2-ol 2,3-dichloropropan-1-ol 2- and 3-chloro-propane 1,2-diol	C-TM-069 using GC-MS
CEREALS AND CEREAL PRODUCTS	Free Amino acids: - Asparagine - Alanine - Aspartic acid - Glutamic acid - Glycine - Isoleucine - Leucine - Leucine - Phenylalanine - Serine - Threonine - Tyrosine - Valine	C-TM-227 using HPLC
	Ethyl Carbamate	C-TM-226 using GC-MS
DRY SUGAR BASED PRODUCTS, SUGAR SYRUPS, SOFT DRINKS and BAKERY MIXES	Sweeteners: Saccharin Acesulfame-K Aspartame	C-TM-139 by HPLC

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1288 Accredited to ISO/IEC 17025:2017		Premier Foods Group Limited (Trading as Premier Analytical Services) Issue No: 086 Issue date: 06 February 2024	
		Testing performed at main address only	
Materials/Products teste	d	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
		Chemical Tests (cont'd)	Documented In-House Methods
DRY SPICES, FATS, OIL-BAS SPICE PASTE and WATER-B SPICED SAUCES		Illegal Dyes: Sudan I, Rhodamine B, Sudan II, Para Red, Sudan III, Sudan red G, Sudan IV, Fast Garnet, Sudan Red 7B, Nitroaniline, Butter Yellow, Toluidine Red, Sudan Orange G, Sudan Black, Auramine-O, Orange II, Metanil yellow, Sudan Red B	C-TM-224 using LC-MS/MS
FOOD, FOOD PRODUCTS a ANIMAL FEEDS	nd	Ash	C-TM-002
		Chloride - water soluble	C-TM-019 using Electrometric titration on aqueous extract
		Dietary Fibre (Total)	C-TM-129 (AOAC 991.43)
		Fat - total	C-TM-007 using acid hydrolysis and liquid-liquid extraction
		Fatty Acid Composition: Total Saturates Total Mono-unsaturates Total Poly-unsaturates Omega 3 fatty acids Omega 6 fatty acids	C-TM-009 using GC
		Metals: Aluminium Calcium Copper Iron Magnesium Manganese Potassium Sodium Zinc	C-TM-206 by ICP-OES - Extraction procedures C-TM 205 & C-TM 218





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FOOD and FOOD PRODUCTS – unspecified (cont'd)	Chemical Tests (cont'd)	Documented In-House Methods
	Furans: 2-Methyl Furan 3-Methyl Furan 2-Ethyl Furan 2,5-Dimethyl Furan	C-TM-225 using headspace GC-MS
	lodine	C-TM-312 by ICP-MS using hot block digestion
(excluding meat)	Melamine	C-TM-263 using LC-MS/MS
	Metals: Aluminium	C-TM-311 by ICP-MS using Microwave extraction
	Moisture content Sugars: Glucose Fructose Lactose Sucrose	C-TM-037 using oven drying following air/freeze drying C-TM-242 using ion chromatography with pulsed ampherometric detection
	Vitamin C	C-TM-023 by HPLC with detection by fluorescence
	Niacin Nicotinamide Nicotinic acid	C-TM-265 by LC-MS-MS
	Thiamin	C-TM-054 by HPLC with detection by fluorescence
	Vitamin B₅ (Pantothenic Acid)	C-TM-306 by LC-MS/MS

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	Chemical Tests (cont'd)	Documented In-House Methods	
FOOD and FOOD PRODUCTS INCLUDING SAUCES AND PRESERVES	Titratable acidity	C-TM-115 using titration	
FRESERVES	Organic Acids (Citric, Malic,Tartaric, Isocitric)	C-TM-220 by IC/HPLC with detection by conductivity	
	Preservative acids (Acetic and Propionic)	C-TM-266 by ion chromatography	
	рН	C-TM-100 using pH meter and reference to manufacturers' instructions	
	Sorbic and Benzoic Acids	C-TM-043 using GC	
FRUITS AND VEGETABLES	Sulphur dioxide Tin	C-TM-240 by distillation and ion chromatography C-TM-102 by ICP-OES	

Estimation of Meat Content

Brix

Moisture

Rebaudioside A

Stevioside

Sucralose

C-TM-211 By calculation based on Stubbs & Moore using accredited values for protein, fat, moisture and ash C-TM-094 by refractometer

C-TM-035 using Vacuum oven drying

C-TM-280 by HPLC with UV detection

C-TM-305 using Ion-Exchange Liquid Chromatography

MEAT PRODUCTS

SAUCES

SOFT DRINKS, FRUIT JUICES,

CONCENTRATES, PUREES, JAMS, SUGAR SYRUPS AND

SUGAR SYRUPS and HIGH

SWEETENER POWDERS,

and SOFT DRINKS

WATER CONTENT PRODUCTS

SUGAR/SWEETENER BLENDS

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	Chemical Tests (cont'd)	Documented In-House Methods
FOOD AND FOOD PRODUCTS, AND ENVIRONMENTAL SWABS	Allergens	
	Almonds	C-TM-234 using Ridascreen FAST Almond ELISA kit
	Egg White Protein	C-TM-246 using Biokits Egg Assay ELISA kit
	Gluten	C-TM-210 using Ridascreen Gliadin ELISA kit
	Soya Protein	C-TM-154 using ELISA Systems Soya Protein ELISA kit
	<u>Mycotoxins</u>	Documented In-House Method
COFFEE and COCOA PRODUCTS	Ochratoxin A	BA-TM-24 using HPLC with detection by fluorescence
FRUIT JUICE AND FRUIT PRODUCTS	Alternaria toxins	BA-TM-30 using HPLC-UV
FUNGAL BIOMASS PRODUCTION	Fusarins	BA-TM-28 using HPLC-MS
	Trichothecenes in Fungal Biomass: 3 Acetyldeoxynivalenol 15 Acetyldeoxynivalenol Deoxynivalenol Diacetoxyscirpenol Fusarenone X HT2 Toxin Neosolaniol Nivalenol T2 Toxin T2 Triol	BA-TM-01 using GC/MS
MILK and MILK PRODUCTS	Aflatoxin M ₁	BA-TM-25 using HPLC with detection by fluorescence
OILS and FATS	Aflatoxin $B_1 B_2 G_1 G_2$ Ochratoxin A Zearalenone	BA-TM-14 using HPLC with detection by fluorescence

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UKAS TESTING 1288 Accredited to	Premier Foods Group Limited (Trading as Premier Analytical Services) Issue No: 086 Issue date: 06 February 2024	
ISO/IEC 17025:2017		
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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods
OILS and FATS	<u>Mycotoxins</u> (cont'd) Trichothecenes: 3 Acetyldeoxynivalenol 15 Acetyldeoxynivalenol Deoxynivalenol Diacetoxyscirpenol Fusarenone X HT2 Toxin Neosolaniol Nivalenol T2 Toxin T2 Triol	BA-TM-06 using GC-MS
POTATO PRODUCTS	Glycoalkaloids	BA-TM-20 using HPLC
SUGAR SYRUPS	Trichothecenes: 3 Acetyldeoxynivalenol 15 Acetyldeoxynivalenol Deoxynivalenol Diacetoxyscirpenol Fusarenone X HT2 Toxin Neosolaniol Nivalenol T2 Toxin T2 Triol	BA-TM-05 using GC-MS
	Aflatoxin $B_1 B_2 G_1 G_2$ Ochratoxin A Zearalenone	BA-TM-13 using HPLC with detection by fluorescence
FOOD, FOOD PRODUCTS and ANIMAL FEED - unspecified	Aflatoxin $B_1 B_2 G_1 G_2$ - general	BA-TM-10 using HPLC with detection by fluorescence
	Citrinin	BA-TM-19 using HPLC with detection by fluorescence
	Cyclopiazonic acid	BA-TM-29 using HPLC-UV

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		Testing performed at main address only	
Materials/Products teste	d	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
		<u>Chemical Tests</u> (cont'd) <u>Mycotoxins</u> (cont'd)	Documented In-House Methods
FOOD, FOOD PRODUCTS a ANIMAL FEED – unspecified (cont'd)	nd	Ergot akaloids - Ergometrine (ergonovine), ergocryptine, ergotamine, ergosine, ergocristine, ergocornine, ergometrinine, ergocryptinine, ergotaminine, ergosinine, ergocristinine, and ergocorninine	BA-TM-33 using LC-MS/MS
		Fumonisins $B_1 B_2 B_3$	BA-TM-31 using LC-MS/MS
		Moniliformin	BA-TM-26 using HPLC- UV
		Ochratoxin A	BA-TM-15 using Immunoaffinity columns and HPLC with detection by fluorescence
		Sterigmatocystin	BA-TM-27 using HPLC with detection by fluorescence
		Zearalenone	BA-TM-11 using HPLC with detection by fluorescence
FOODS, FOOD PRODUCTS ANIMAL FEED - Low moisture samples only (Raw ingredient finished product)	е	Trichothecenes 3 Acetyldeoxynivalenol 15 Acetyldeoxynivalenol Deoxynivalenol Diacetoxyscirpenol Fusarenone X HT2 Toxin Neosolaniol Nivalenol T2 Toxin T2 Triol	BA-TM-03 using GC-MS
FOOD and FOOD PRODUCT	S	Patulin	BA-TM-16 using HPLC-UV

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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Molecular Tests	Documented In-House Methods
PASTA, COUS COUS, SEMOLINA	Detection and quantification of <i>Triticum aestivum</i> in <i>Triticum durum</i> (common wheat in durum wheat)	C-TM-264 using DNA extraction and real-time PCR
PROCESSED MATERIALS, SPECIFICALLY, BURGERBUNS, VEGETABLE PUREES, PASTRY	The Cauliflower Mosaic Virus 35S promoter and the NOS terminator	C-TM-195 using real time PCR
AND PIZZA BASES	Quantitative determination of Monsanto MON 40-3-2 (Roundup Ready Soya) and Syngenta Bt176 maize	C-TM-195 using real time PCR
FOOD and FOOD PRODUCTS – unspecified	The Cauliflower Mosaic Virus 35S promoter and the NOS terminator	C-TM-195 using real time PCR
	Qualitative determination of GM soya: Monsanto MON 40-3-2 (Roundup ready Soya) Bayer A2704-12, Bayer A5547-127, Monsanto MON 89788, Pioneer Hi Bred DP356043-5	C-TM-195 using real time PCR
	Qualitative determination of: GM maize Syngenta Bt176, Monsanto MON 810 Syngenta Bt11 Monsanto MON 88017 Monsanto GA21 Monsanto OK603 Pioneer-Hi bred TC 1507 Pioneer-Hi bred TC 1507 Pioneer-Hi bred DAS 59122 AgrEvo CBH 351 Bayer T25 Syngenta Bt10 Syngenta MIR 604	C-TM-195 using real time PCR



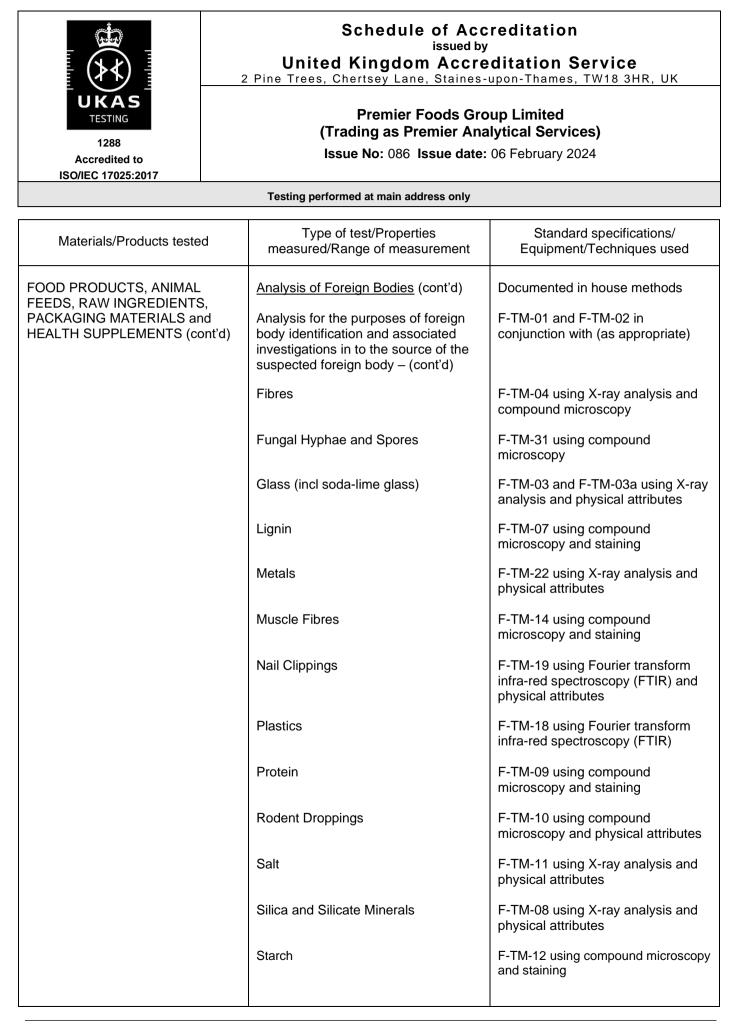
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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Molecular Tests (cont'd)	Documented In-House Methods
	The quantitative detection of: GM soya Monsanto Roundup Ready soya Monsanto MON 89788 Pioneer-Hibred _DP356043-5 Bayer A2704-12 Bayer A5547-127	C-TM-195 using real time PCR
	The quantitative detection of: GM maize Monsanto MON 88017 Syngenta Bt176, Monsanto GA21 Monsanto MON 863 Monsanto NK603 Pioneer-Hi bred DAS 59122 Syngenta MIR 604	C-TM-195 using real time PCR
UNPROCESSED MATERIALS	The qualitative detection of the following GM varieties:- Potato: BASFEH92-527-1 Rice varieties: Bayer LLRice 62 and unapproved Bt63	C-TM-195 using real time PCR
FOOD and FOOD PRODUCTS – unspecified	Qualitative detection of meat species DNA: Beef, goat, horse, chicken, sheep, pig, turkey - Myostatin (meat marker DNA)	C-TM-283 using DNA extraction and real-time PCR
	Detection of Celery DNA	C-TM-302 using DNA extraction and real-time PCR
	Detection of DNA: Almond, pistachio, walnut, peanut, cashew, Brazil nut, hazelnut, pecan, sesame, macadamia nut, chestnut, coconut	C-TM-310 using DNA extraction and real-time PCR

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Materials/Products teste	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used				
FOOD PRODUCTS, ANIMAL FEEDS, RAW INGREDIENTS, PACKAGING MATERIALS and HEALTH SUPPLEMENTS		Documented in house methods F-TM-01 and F-TM-02 in conjunction with (as appropriate)				
	Active Alkaline Phosphatase Enzyme	F-TM-24 using nitrophenol phosphate with visual determination of colour change				
	α-Amylase	F-TM-32 using visual determination of colour change				
	Bone	F-TM-05 using X-ray analysis, compound microscopy and staining				
	Blood	F-TM-27 visual determination of colour change using staining				
	Calcium Carbonate	F-TM-30 using X-ray analysis and physical attributes				
	Cellulose	F-TM-15 using compound microscopy and staining				
	Cell Wall Structures	F-TM-28 using compound microscopy and staining				
	Ceramics	F-TM-25 using X-ray analysis and physical attributes				
	Crystalline Sugar	F-TM-20 using X-ray analysis, Fourier transform infra-red spectroscopy (FTIR), compound microscopy and physical attributes				
	Dental Amalgam	F-TM-17 using X-ray analysis and physical attributes				
	Elastomers	F-TM-21 by X-ray analysis and physical attributes				
	Fats and Oils	F-TM-06 using compound microscopy and staining				



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Materials/Products tested		Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used		
FOOD PRODUCTS, ANIMAL FEEDS, RAW INGREDIENTS PACKAGING MATERIALS ar HEALTH SUPPLEMENTS (co	S, nd	Analysis of Foreign Bodies (cont'd) Analysis for the purposes of foreign body identification and associated investigations in to the source of the suspected foreign body – (cont'd) Struvite Stone Cells Tooth Wood	Documented in house methods F-TM-01 and F-TM-02 in conjunction with (as appropriate) F-TM-16 using X-ray analysis and physical attributes F-TM-23 using compound microscopy and staining F-TM-26 using X-ray analysis and physical attributes F-TM-13 using compound microscopy, staining and physical attributes		
END					