


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0625 Accredited to ISO/IEC 17025:2017	Lancashire County Scientific Services	
	Issue No: 053 Issue date: 18 February 2025	
	Pedders Way Preston Riversway Docklands Preston PR2 2TX	Contact: Alice Wilson Tel: +44 (0)1772 721660 Fax: +44 (0)1772 732417 E-Mail: scientificservices@lancashire.gov.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Pedders Way Preston Riversway Docklands Preston PR2 2TX	Local contact Bharathi Reddy Tel: +44 (0)1772 721660 Fax: +44 (0)1772 732417 Email: scientificservices@lancashire.gov.uk	Health and Hygiene Head Office Asbestos testing Chemical Testing Microbiological Testing All Support Functions	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Client Premises	Health and Hygiene	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ASBESTOS FIBRES IN AIR	<u>Health and Hygiene</u>	Health and Safety Executive - Asbestos: The Analysts' Guide (HSG 248) – 2021	
	Sampling of air for fibre counting	Documented In-House Method CM2-OP2-Part 1 based on HSG 248	B
	Fibre counting	Documented In-House Method CM2-OP2-Part 1, Membrane Filter Method using Phase Contrast Microscopy (PCM) based on HSG 248	A, B
ASBESTOS IN BULK MATERIALS including materials and products suspected of containing asbestos	4 Stage Clearance Process	Documented In-House Method CM2-OP2-Part 2, Membrane Filter Method using Phase Contrast Microscopy (PCM) based on HSG 248	B
	Sampling of bulk materials for subsequent identification of asbestos	Documented In-House Method CM2-OP1-Part 1 based on HSG 248	
	Identification of: Amosite Chrysotile Crocidolite Fibrous Actinolite Fibrous Anthophyllite Fibrous Tremolite	Documented In-House Method CM2-OP1-Part 2 using stereo-microscopy, polarised light optical microscopy and dispersion staining based on HSG 248	A



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ANIMAL FEEDING STUFFS	<u>Chemical Tests</u> *Indicates analysis performed under Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented In-House Methods:	
	*Ash	B08 using a gravimetric technique	A
	*Crude oil and fat	B02 using acid hydrolysis and solvent extraction	A
	*Fibre	B66 using gravimetric technique (Fibretec Digestion equipment)	A
	*Moisture	B01 and B01A using gravimetric technique	A
	*Protein (calculated value)	A34 using LECO nitrogen analysis	A
	*Vitamin A	A14 using HPLC with UV detection	A
	*Vitamin E	A57 using HPLC with UV or fluorescence detection	A
	*Cadmium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Selenium, Zinc	B9 using digestion followed by Inductively Coupled Plasma Mass Spectrometry	A



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FOOD AND FOOD PRODUCTS as stated:	<u>Chemical Tests</u> *Indicates analysis performed under Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented In-House Methods:	
ANIMAL FEEDING STUFFS and FOODS, General	*Additives, contaminants and food composition	Development and modification of methods and analyses for food and animal feed enforcement purposes: Generic Protocol GPROC using High Performance Liquid Chromatography with UV, RI, Fluorescence, detection, Gas Chromatography using FID, UV/Vis spectrophotometry, Flame Atomic Absorption Spectrophotometry (AAS) Electrothermal AAS Hydride generation AAS Ion Chromatography (IC), Inductively Coupled Plasma Mass Spectrometry (ICPMS)	A
ANIMAL FEEDING STUFFS and FOODS, General	*Allergens, Contaminants (mycotoxins) and Meat Speciation	Development and modification of methods and analyses for food and animal feed enforcement purposes: Generic Protocol GPROC using commercially available Enzyme Linked Immunosorbant Assay (ELISA) kits	A
FOODS, General	*Ash	F22 17 using gravimetric technique	A
	*Fat	F22 6 using acid digestion followed by gravimetric technique	A
	*Moisture	F22 21 using gravimetric technique	A
	*Nitrogen	F22 10 using combustion and thermo-conductivity detection techniques	A
	*Total Carbohydrate and Energy (kcal)	CALC 01 Based on EU 1169/2011	A



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FOODS, General (cont'd)	*Aflatoxins B1, G1, B2, G2	F GEN 13 using High Performance Liquid Chromatography with Fluorescence Detection	A
	*Artificial sweeteners in aqueous solutions and foods	F GEN 37 using HPLC with UV detection	A
	*Caffeine	F GEN 37 using HPLC with UV detection	A
	*Sodium (Salt by calculation)	F GEN 58 using Digiprep digestion and ICP-MS	A
	*Quantitative determination of water soluble synthetic colours	F GEN 39 using HPLC with UV/Vis detection	A
	*Detection of peanut protein	FGEN 56 Using ELISA test kits	A
	*Detection of Egg Protein	FGN77 Using RIDASCREEN FAST Egg Kit (ELISA)	A
	*Determination of Gluten (Gliadin)	FGN46A Using RIDASCREEN Gliadin Kit (ELISA)	A
	*Determination of Casein	FGN76 Using RIDASCREEN FAST Casein Kit (ELISA)	A
	*Dietary fibre	F GEN 40A based on AOAC method 985 29	A
	*Dry soluble residues (soluble solids)	F GEN 36 using refractometry	A
	*Elemental analysis: Arsenic, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Mercury, Tin and Zinc	Method number FGEN 57 by Digiprep digestion and ICP-MS	A



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FOODS, General (cont'd)	*Fatty acid profile	F06 6 & F06 5 based on BS EN ISO 12966-2:2017	A
	*Free fatty acids	F26 2 using titrimetry	A
	*Identification of Herbs, Spices and Foods	F GEN 42 using light microscopy	A
	*Nitrate	F 14 2 using HPLC with UV detection	A
	*Preservatives	F GEN 37 using HPLC with UV detection	A
	*Salt	F GEN 3 using titrimetry	A
	*Sulphur dioxide	F GEN 1 distillation and titrimetry	A
CHEESE	*Fat	F05 6 using acid digestion followed by gravimetric technique	A
	*Water content	F05 4 based on BS 770:Part 2:1976(1985)	A
Cocoa, chocolate	*Theobromine	F06 1 using High Performance Liquid Chromatography with UV Detection	A
	*Fat	F06-04 using acid digestion followed by gravimetric technique	A
Beer, Wine and Fortified Wine	*Alcohol	F19 1 using distillation and gas liquid chromatography techniques	A
Spirits	*Alcohol	F19 2 using gravimetric techniques	A
Spirits (<2% w/v solids)	*Alcohol	F19 10 using Anton Paar Density Meter	A



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Spirits	*Congeners: Acetaldehyde Methanol Propan-1-ol Ethyl acetate 2-methylpropan-1-ol 2-methylbutan-1-ol 3-methylbutan-1-ol	F19 7 using Gas Liquid Chromatography with FID detection	A
MEAT PRODUCTS and PROCESSED MEAT	*Trace sugars	F19 8 using Ion Chromatography	A
	*Hydroxyproline	F22 1 based on ISO 3496:1994(E) using acid digestion and a colorimetric technique	A
	*Moisture	F22 13A using gravimetric technique	A
	*Fat	F22 13B using extraction and gravimetry	A
	*Nitrogen	F22 7 using digestion, distillation and titrimetric technique	A
Flesh Foods (Meat and Fish)	*Total volatile bases	F GEN 2 using titrimetry	A
MILK AND MILK PRODUCTS	*Density	F23 3 based on BS 734:Part 2:1959(1991)	A
	*Fat	F23 29 based on BS EN ISO 1211:2010 using Rose Gottlieb	A
	*Titratable acidity	F23 33 using titrimetry	A



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FOODS	<u>Molecular Tests</u> *Indicates analysis performed under Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented In-House Method	
OILS and FATS	*Acidity and acid value	F26 2 using titrimetry	A
	*Peroxide value	F26 1 based on BS 684:Section 2.14:1987 using titration	A
	*Butter fat in fat	F26 3 using Gas-Liquid Chromatography	A
SUGAR PRODUCTS	*Sugar content	F34-2 using HPLC and Refractive Index Detection	A
	*Fat	F29 2 using acid hydrolysis	A
Meat, Meat Products, Processed Meat, Milk and Dairy Products	*Identification of Meat Species Cow, Chicken, Horse, Goat, Pig, Sheep and Turkey	F22-26 using DNA Detection by Real Time PCR	A
Fish & Fish Products	*Identification of fish species	F09-9 using PCR-RFLP	A
FOODS (General)	<u>Microbiological Tests</u> *Indicates analysis performed under Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625	Documented In-House Methods	
	Enumeration of:		
	* <i>Bacillus cereus</i>	F GEN 22 based on BS EN ISO 7932:2004+A1: 2020	A
	* β -glucuronidase positive <i>Escherichia coli</i>	F GEN 21 based on BS ISO 16649-2:2001	A
	*Coagulase Positive <i>Staphylococcus aureus</i>	F GEN 26 based on BS EN ISO 6888-1:2021 + A1:2023	A



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FOODS (General)	<u>Microbiological Tests</u> *Indicates analysis performed under Food Standards Agency designation as Official Laboratory in accordance with retained Regulation (EU) 2017/625 Enumeration of: *Presumptive Enterobacteriaceae *Aerobic Colony Count at 30°C *Listeria monocytogenes Detection of: *Salmonella *Listeria monocytogenes	Documented In-House Methods F GEN 30B based on BS ISO 21528-2:2017 F GEN 31 based on BS EN ISO 4833-1:2022 FG 59B based on BS EN ISO 11290-2:2017 F GEN 33 based on BS EN ISO 6579-1:2017+A1:2020 FG 59A based on BS EN ISO 11290-1:2017	 A A A A A A
WATERS for types as indicated for each test	<u>Chemical Tests</u>	Documented In-House Methods:	
Leachate waters	Dissolved Methane	W81A using headspace analysis and Gas Liquid Chromatography	A
WATERS	<u>Microbiological Tests</u>	Documented In-House Methods:	
Drinking Water, Recreational and Surface Water	Enumeration of Total Coliforms and <i>E. coli</i>	F99 6 based on Microbiology of Drinking Water 2016 Part 4	A
	Total Aerobic Colony Count at 37 °C and 22 °C	F99 4, based on Microbiology of Drinking Water 2020 Part 7 The Microbiology of Recreational and Environmental Waters (2000)	A



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WATERS Process Waters, Hot and Cold Water Systems (Domestic and Industrial) and Recreational Waters	Detection and Enumeration of <i>Legionella pneumophila</i> SG 1-14	F99-11 based on BS EN ISO 11731:2017 using filtration with washing, using GVPC, identification by latex agglutination [Matrix A&B; Procedure 8,9 & 10 Media C]	A
END			