

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>2262</b></p> <p>Accredited to <b>ISO/IEC 17025:2017</b></p>	<p><b>Eurofins Food Testing UK Limited</b></p> <p><b>Issue No: 051    Issue date: 03 August 2023</b></p>	
<p><b>Gateway House</b> <b>Ammonite Drive</b> <b>Ipswich Road</b> <b>Needham Market</b> <b>Ipswich</b> <b>Suffolk</b> <b>IP6 8EL</b></p>	<p><b>Contact: Mr R Page</b> <b>Tel: +44 (0)1449 721637</b> <b>Fax: +44 (0)1449 721553</b> <b>E-Mail: <a href="mailto:info@alliancetechnical.co.uk">info@alliancetechnical.co.uk</a></b> <b>Website: <a href="http://www.alliancetechnical.co.uk">www.alliancetechnical.co.uk</a></b></p>	
<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS	<p><u>Microbiological Tests</u></p> <p>Detection:</p> <p><i>Listeria monocytogenes</i> and <i>Listeria spp.</i></p> <p><i>Listeria monocytogenes</i> and <i>Listeria spp.</i></p> <p><i>Listeria</i> spp confirmed and species identification</p> <p><i>Salmonella</i> spp</p> <p><i>Salmonella</i> spp</p> <p>Enumeration:</p> <p>Aerobic colony count at 30 °C</p> <p>Coliforms (presumptive)</p>	<p>Documented In-House methods as for food samples</p> <p>AM/M/11-2 based on BS EN ISO 11290-1:2017</p> <p>AM/M/11-3 in house method with enrichment in half Fraser and full Fraser broth with a single streak from full Fraser broth only onto ALOA agar only.</p> <p>AM/M/11-c confirmation and identification of lab isolates from presumptive methods using Gram stain, oxidase test, catalyse and Microbact <i>Listeria</i> 12L kit.</p> <p>AM/M:12-1 based on BS EN ISO 6579-1:2017+A1:2020</p> <p>AM/M:12-2 using Neogen BPW HQ +OBOP-S supplement and CASE selective chromogenic media, confirmation by Oxoid Latex kit and Remel Rapid One Biochemical test kit.</p> <p>AM/M:01-1 using pour plate count agar for 48h</p> <p>AM/M:02-1 based on ISO 4832:2006</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS (Cont'd)	<u>Microbiological Tests (Cont'd)</u>  Enumeration:  Enterobacteriaceae (presumptive)  <i>Escherichia coli</i> ( $\beta$ -glucuronidase positive)  Coagulase positive Staphylococci including <i>Staphylococcus aureus</i>  Yeasts and moulds	Documented In-House methods as for food samples  AM/M:03-1 based on BS EN ISO 21528-2:2017  AM/M:04-6 based on BS EN ISO 16649-2:2001  AM/M:06-1 based on BS EN ISO 6888-1:2021 using tube coagulase confirmation  AM/M:10-1 based on Practical Food Microbiology, 2003 Section 6.17, Method 1
ANIMAL FEEDS and COMPOST / COMPOSTS including digestates  Animal feeds (excluding dog chews) and Composts, including digestates         Animal Feeds	<u>Microbiological Tests</u>  Detection:  <i>Salmonella</i> spp         Enumeration:  Enterobacteriaceae (presumptive and confirmed)	Documented In-House methods    AM/M:12-1 based on BS EN ISO 6579-1:2017+A1:2020, for the purpose of the Animal By-Products (Enforcement) Regulation (ABPR) 2013 (amended 2015) implementing Regulation (EU) No 142/2011 (as amended) and /or in accordance with the requirements of PAS 100:2011 and PAS 110:2010   AM/M:03-2 based on BS EN ISO 21528-2:2017 for the purpose of the Animal By-Products (Enforcement) Regulation (ABPR) 2013 (amended 2015) implementing Regulation (EU) No 142/2011 (as amended)



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ANIMAL FEEDS and COMPOST / COMPOSTS including digestates (Cont'd)  Composts, including digestates	<u>Microbiological Tests (Cont'd)</u>  Enumeration:  <i>Escherichia coli</i> ( $\beta$ -glucuronidase positive)	Documented In-House methods  AM/M:04-7 based on BS EN ISO 16649-2:2001 for the purpose of the Animal By-Products (Enforcement) Regulation (ABPR) 2013 (amended 2015) implementing Regulation (EU) No 142/2011 (as amended) and /or in accordance with the requirements of PAS 100:2011 and PAS 110:2010
FOODS and FOOD PRODUCTS	<u>Chemistry Tests</u>  Water activity ( $A_w$ )	Documented In-House methods  AM/M: 20-1 using the Aqualab 4TE water activity meter
FOODS and FOOD PRODUCTS (unspecified)	<u>Microbiological Tests</u>  Confirmation:  <i>Listeria</i> spp confirmed and species identification  Detection:  <i>Listeria monocytogenes</i> and <i>Listeria</i> spp.  <i>Listeria monocytogenes</i> and <i>Listeria</i> spp.  <i>Salmonella</i> spp	Documented In-House Methods  AM/M/11-c confirmation and identification of lab isolates from presumptive methods using Gram stain, oxidase test, catalyse and Microbact <i>Listeria</i> 12L kit.  AM/M/11-2 based on BS EN ISO 11290-1:2017  AM/M11-3 in house method with enrichment in half Fraser and full Fraser broth with a single streak from full Fraser broth only onto ALOA agar only.  AM/M:12-1 based on BS EN ISO 6579-1:2017+A1:2020



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FOODS and FOOD PRODUCTS (unspecified) (Cont'd)	<p><u>Microbiological Tests</u> (Cont'd)</p> <p>Detection:</p> <p><i>Salmonella</i> spp</p> <p>Enumeration:</p> <p>Aerobic colony count at 22 °C</p> <p>Aerobic colony count at 30 °C</p> <p><i>Bacillus cereus</i> (presumptive)</p> <p><i>Clostridium perfringens</i></p> <p>Coliforms (presumptive)</p> <p>Enterobacteriaceae (presumptive)</p> <p><i>Escherichia coli</i> (β-glucuronidase positive)</p> <p>Lactic acid bacteria (presumptive)</p> <p><i>Listeria</i> spp (presumptive)</p> <p><i>Pseudomonas</i> spp (presumptive)</p>	<p>Documented In-House Methods</p> <p>AM/M 12-2 using Neogen BPW HQ +OBOP-S supplement and CASE selective chromogenic media, confirmation by Oxoid Latex kit and Remel Rapid One Biochemical test kit</p> <p>AM/M:01-3 using pour plate count agar for 72h</p> <p>AM/M:01-1 using pour plate count agar for 48h</p> <p>AM/M:13-1 using PEMBA selective agar</p> <p>AM/M:07-1 based on ISO 7937:2004 with confirmation using RapIDANA biochemical gallery (Remel/Oxoid)</p> <p>AM/M:02-1 based on ISO 4832:2006</p> <p>AM/M:03-1 based on BS EN ISO 21528-2:2017</p> <p>AM/M:04-6 based on BS EN ISO 16649-2:2001</p> <p>AM/M:08-1 based on ISO 15214:1998</p> <p>AM/M:11-e selective plating on Oxford and ALOA agars</p> <p>AM/M:09-1 based on ISO 13720:2010</p>





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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FERTILISERS	<u>Chemical/Physical Tests</u>  Potassium  Potentially toxic elements (PTEs) Arsenic Cadmium Cobalt Chromium Copper Manganese Mercury Molybdenum Nickel Lead Selenium Vanadium Zinc	Documented In-House Methods  GLPMETH010-006-02 by acid digestion and ICP-OES  GLPMETH010-009 by acid digestion and ICP-OES and hydride generation ICP-OES
FOODS	<u>Chemical/Physical Tests</u>  Dietary fibre  Total Sugars as reducing sugars	Documented In-House Methods  GLPMETH070-008 based on AOAC 985.29  GLPMETH070-014 using Luff Schoorl titration
ANIMAL FEEDS and PETFOODS	Crude Fibre	GLPMETH070-007 using acid hydrolysis
FOODS and PETFOODS	Carbohydrate by difference	GLPMETH070-010 by documented calculation
	Energy Value	GLPMETH070-011 by documented calculation
	Saturated fatty acids in fat and Including mon-unsaturated and poly-unsaturated and trans fatty acids	GLPMETH070-012 by methylation and GC
FOODS, ANIMAL FEEDS and PETFOODS	Ash and mineral content	GLPMETH070-003 using furnace at 500-600 °C



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FOODS, ANIMAL FEEDS and PETFOODS (Cont'd)	<u>Chemical/Physical Tests (Cont'd)</u>	Documented In-House Methods
	Total Fat (Werner Schmidt)	GLPMETH070-006 by acid hydrolysis and solvent extraction
	Moisture	GLPMETH070-002-001 by oven drying at 103-105°C
	Nitrogen and Protein	GLPMETH070-005-01 using Kjeldahl digestion
	Nitrogen and Protein	GLPMETH070-005-02 by Dumas
	Calcium, Magnesium, Potassium, Phosphorus, Sodium and salt equivalent	GLPMETH070-009 using Aqua Regia acid digestion and ICP-OES
SOILS	Elements: Arsenic Cadmium Calcium Chromium Copper (excluding food) Iron Lead Magnesium Manganese Mercury Nickel Phosphorous Potassium Sodium Selenium Zinc	GLPMETH070-013 by ICP-OES and Hydride Generation
	<u>Chemical/Physical Tests</u>	Documented In-House Methods
	Extractable Potassium and Magnesium	GLPMETH061-007 by inductively coupled plasma optical emission spectroscopy (ICP-OES) based upon "The Analysis of Agricultural Materials", RB427, MAFF, 1985



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SOILS (Cont'd)	<u>Chemical/Physical Tests (Cont'd)</u>	Documented In-House Methods
Compost	Elements: Cadmium Calcium Chromium Copper Iron Lead Mercury Magnesium Molybdenum Nickel Phosphorus Potassium Sulphur Zinc	GLPMETH080-007 by ICP-OES
Digestate from sewage sludge and other organic fertiliser materials	Elements: Cadmium Calcium Chromium Cobalt Copper Iron Lead Mercury Magnesium Molybdenum Nickel Phosphorus Sulphur Vanadium Zinc	GLPMETH 090-006 by ICP-OES
WATERS and EFFLUENTS	<u>Chemical/Physical Tests</u>	Documented In-House Methods
(Groundwater, Surfacewater, Wastewater, Effluents and Purified Water)	Suspended Solids	GLPMETH030-003 by gravimetry
	Biological Oxygen Demand (BOD)	GLPMETH030-005 by titrimetry
	Chemical Oxygen Demand (COD)	GLPMETH030-008 by digestion with acidic potassium dichromate and colorimetry





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WATERS and EFFLUENTS (Cont'd)	<u>Chemical/Physical Tests (Cont'd)</u>	Documented In-House Methods
	Oils, Fats and Greases (FOGs)	GLPMETH030-018 by solvent extraction and gravimetry
	pH	GLPMETH030-002 by electrometric measurement
	Total Iron and Phosphorus	GLPMETH030-019 by ICP-OES, based on "Methods for the Examination of Water and Associated Materials" - HMSO, 1980
Wastewater and effluent	Biochemical Oxygen Demand (BOD). Dissolved Oxygen	GLPMETH030-005 (Section 10) Using dissolved oxygen meter
Effluents, ground waters, surface waters, purified (RO) water.	Anions – Fluoride, Chloride, Bromide, Nitrate, Nitrite, Sulphate, Phosphate. Cations - Ammonium	GLPMETH 030-022, Determination of Dissolved Ions by liquid chromatography with conductivity detector (Ion Chromatography) (Based on BS EN 10304-1).
END		