

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



2262

Accredited to
ISO/IEC 17025:2005

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Gateway House
Ipswich Road
Needham Market
Ipswich
Suffolk
IP6 8EL

Contact: Mr R Page
Tel: +44 (0)1449 721637
Fax: +44 (0)1449 721553
E-Mail: info@alliancetechnical.co.uk
Website: www.alliancetechnical.co.uk

Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ENVIRONMENTAL SWABS	<u>Microbiological Tests</u> Detection: <i>Listeria</i> spp (presumptive) <i>Listeria</i> spp (presumptive) <i>Listeria</i> spp confirmed and species identification <i>Salmonella</i> spp <i>Salmonella</i> spp <u>Enumeration:</u> Aerobic colony count at 30 °C Coliforms (presumptive) Enterobacteriaceae (presumptive) <i>Escherichia coli</i> (β -glucuronidase positive) Coagulase positive Staphylococci including <i>Staphylococcus aureus</i> Yeasts and moulds	Documented In-House methods as for food samples AM/M:11-1 AM/M/11-4 AM/M/11c AM/M:12-1 AM/M:12-3 AM/M:01-1 AM/M:02-1 AM/M:03-1 AM/M:04-6 AM/M:06-1 AM/M:10-1



2262

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>ANIMAL FEEDS and COMPOST / COMPOSTS including digestates</p> <p>Animal feeds (excluding dog chews) and Composts, including digestates</p> <p>Animal Feeds</p> <p>Composts, including digestates</p>	<p><u>Microbiological Tests</u></p> <p>Detection:</p> <p><i>Salmonella</i> spp</p> <p>Enumeration:</p> <p>Enterobacteriaceae (presumptive and confirmed)</p> <p><i>Escherichia coli</i> (β-glucuronidase positive)</p>	<p>Documented In-House methods</p> <p>AM/M:12-1 based on ISO 6579-1:2017, to meet the requirements of the Animal By Products (Enforcement) (England) Regulations No.2011/881 which enforce the directly applicable requirements of the EU Implementing Regulation 142/2011, PAS 100:2011 and PAS 110:2010</p> <p>AM/M:03-2 based on ISO 21528-2:2017 using VRBGA layer plate at 37°C to meet the requirements of the Animal By Products (Enforcement) (England) Regulations No.2011/881 which enforce the directly applicable requirements of the EU Implementing Regulation 142/2011</p> <p>AM/M:04-7 based on ISO 16649-2:2001 using TBX pour plate at 44 °C after 4 hr preincubation at 37 °C to meet the requirements of the Animal By Products (Enforcement) (England) Regulations No.2011/881 which enforce the directly applicable requirements of the EU Implementing Regulation 142/2011, PAS 100:2011 & PAS 110:2010</p>
<p>FOODS and FOOD PRODUCTS</p>	<p><u>Chemistry Tests</u></p> <p>Water activity (A_w)</p>	<p>Documented In-House methods</p> <p>AM/M: 20-1 using the Aqualab 4TE water activity meter</p>



2262

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOODS and FOOD PRODUCTS (unspecified)	<p><u>Microbiological Tests</u></p> <p>Confirmation:</p> <p><i>Listeria</i> spp confirmed and species identification</p> <p>Detection:</p> <p><i>Listeria</i> spp (presumptive)</p> <p><i>Listeria</i> spp (presumptive)</p> <p><i>Salmonella</i> spp</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>Documented In-House Methods</p> <p>AM/M/11-c confirmation and identification of lab isolates from presumptive methods using Gram stain, oxidase test, catalyse and Microgen <i>Listeria</i> ID biochemical kit.</p> <p>AM/M:11-1 using BLEB enrichment and isolation on Oxford Agar based on ISO 11290-1:1996 (superseded, client specified)</p> <p>AM/M/11-4 using <i>Listeria</i> Novell enrichment Broth and selective plating on OCLA</p> <p>AM/M:12-1 based on ISO 6579-1:2017</p> <p>AM/M:12-3 using Pathatrix immunoconcentration/enrichment of pooled samples and selective plating with positives being subject to individual retest, using conventional media systems</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 based on Holbrook and Anderson, 1980</p>



2262

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOODS and FOOD PRODUCTS (unspecified) (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods
	Enumeration: (cont'd)	
	<i>Clostridium perfringens</i>	AM/M:07-1 based on ISO 7937:2004 with confirmation using RapIDANA biochemical gallery (Remel/Oxoid)
	Coliforms (presumptive)	AM/M:02-1 based on ISO 4832:2006
	Enterobacteriaceae (presumptive)	AM/M:03-1 based on ISO 21528-2:2017
	<i>Escherichia coli</i> (β -glucuronidase positive)	AM/M:04-6 based on ISO 16649-2:2001 using TBX chromogenic media
	<i>Escherichia coli</i> (β -glucuronidase positive)	AM/M:04-6M based on ISO 16649-1:2018 using membranes
	Lactic acid bacteria (presumptive)	AM/M:08-1 based on ISO 15214:1998
	<i>Listeria</i> spp (presumptive)	AM/M:11-e selective plating on Oxford and OCLA agars
	<i>Pseudomonas</i> spp (presumptive)	AM/M:09-1 based on ISO 13720:2010
Coagulase positive Staphylococci including <i>Staphylococcus aureus</i>	AM/M:06-1 based on ISO 6888-1:1999 using tube coagulase confirmation	
Yeasts and Moulds	AM/M:10-1 based on Practical Food Microbiology, 2003 Section 6.17, Method 1	



2262

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATERS	<u>Microbiological Tests</u>	Documented In-House Methods based on The Microbiology of Drinking Water, The Environment Agency
Potable	Enumeration:	
	Coliforms (presumptive)	AM/W:001 based on MoDW Part 4B:2009 using MLGA
	<i>Escherichia coli</i>	AM/W:001 based on MoDW Part 4B:2009 using MLGA
	Enterococci (presumptive)	AM/W:004 based on MoDW Part 5A:2012
	<i>Pseudomonas aeruginosa</i>	AM/W:006 based on MoDW Part 8:2010
	Sulphite reducing Clostridia	AM/W:005 based on MoDW Part 6:2010
	Total viable count at 22 °C	AM/W:002 based on MoDW Part 7A:2012
	Total viable count at 37 °C	AM/W:003 based on MoDW Part 7A:2012
Swimming Pools	<i>Pseudomonas aeruginosa</i>	AM/W:006 based on MoDW Part 8B:2010
FERTILISERS	<u>Chemical/Physical Tests</u>	Documented In-House Methods
	Moisture (loss at 105 °C)	GLPMETH010-002 by gravimetry
	Loss on ignition at 450 °C on a dry matter basis	GLPMETH010-003 by ashing and gravimetry
	Total Phosphorus (Inorganic)	GLPMETH010-005 by acid extraction and colorimetry
	Potassium	GLPMETH010-006-02 by acid digestion and ICP-OES
	Potentially toxic elements (PTEs) Arsenic Cadmium Cobalt Chromium	GLPMETH010-009 by acid digestion and ICP-OES and hydride generation ICP-OES



2262

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FERTILISERS cont'd	<u>Chemical/Physical Tests cont'd</u> Potentially toxic elements (PTEs) Cont'd Copper Manganese Mercury Molybdenum Nickel Lead Selenium Vanadium Zinc	Documented In-House Methods GLPMETH010-009 by acid digestion and ICP-OES and hydride generation ICP-OES
FOODS, ANIMAL FEEDS and PETFOODS	<u>Chemical/Physical Tests</u> Ash and mineral content Carbohydrate by difference Crude Fibre Dietary fibre Energy Value Total Fat (Werner Schmidt) Saturated fatty acids in fat and including mono-unsaturated and poly-unsaturated fatty acids Moisture Nitrogen and Protein	Documented In-House Methods GLPMETH070-003 using furnace at 500-600 °C GLPMETH070-010 by documented calculation GLPMETH070-007 using acid hydrolysis GLPMETH070-008 based on AOAC 985.29 GLPMETH070-011 by documented calculation GLPMETH070-006 by acid hydrolysis and solvent extraction GLPMETH070-012 by methylation and GC GLPMETH070-002-001 by oven drying at 103-105 °C GLPMETH070-005-01 using Kjeldahl digestion



2262

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
FOODS, ANIMAL FEEDS and PETFOODS (cont'd)	<u>Chemical/Physical Tests (cont'd)</u> Nitrogen and Protein Calcium, Magnesium, Potassium Phosphorus, Sodium and salt equivalent Total Sugars as reducing sugars Elements: Arsenic Cadmium Calcium Chromium Copper (excluding food) Iron Lead Magnesium Manganese Mercury Nickel Phosphorous Potassium Sodium Selenium Zinc	Documented In-House Methods GLPMETH070-005-02 by Dumas GLPMETH070-009 using Aqua Regia acid digestion and ICP GLPMETH070-014 using Luff Schoorl titration GLPMETH070-013 by ICP-OES and Hydride Generation
SOILS	<u>Chemical/Physical Tests</u> pH Extractable Phosphorus Extractable Potassium and Magnesium	Documented In-House Methods GLPMETH061-002 by electrometric measurement GLPMETH061-004 by colorimetry GLPMETH061-007 by inductively coupled plasma optical emission spectroscopy (ICP-OES) based upon "The Analysis of Agricultural Materials", RB427, MAFF, 1985



2262

Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

Alliance Technical Laboratories Limited

Issue No: 037 Issue date: 09 July 2018

Testing performed at main address only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>WATERS and EFFLUENTS</p> <p>(Groundwater, Surfacewater, Aqueous solutions, Wastewater, Effluents and Purified Water)</p>	<p><u>Chemical/Physical Tests</u></p> <p>Suspended Solids</p> <p>Biological Oxygen Demand (BOD)</p> <p>Chemical Oxygen Demand (COD)</p> <p>Ammoniacal Nitrogen</p> <p>Oils, Fats and Greases (FOGs)</p> <p>pH</p> <p>Total Iron and Phosphorus</p>	<p>Documented In-House Methods</p> <p>GLPMETH030-003 by gravimetry</p> <p>GLPMETH030-005 by titrimetry</p> <p>GLPMETH030-008 by digestion with acidic potassium dichromate and colorimetry</p> <p>GLPMETH030-010 by colorimetry</p> <p>GLPMETH030-018 by solvent extraction and gravimetry</p> <p>GLPMETH030-002 by electrometric measurement</p> <p>GLPMETH030-019 by ICP-OES, based on "Methods for the Examination of Water and Associated Materials" - HMSO, 1980</p>
<p>Wastewater and effluent</p>	<p>Biochemical Oxygen Demand (BOD). Dissolved Oxygen</p>	<p>GLPMETH030-005 (Section 10) Using dissolved oxygen meter</p>
<p>END</p>		