


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 2622 Accredited to ISO/IEC 17025:2017	Express Microbiology Ltd, trading as Express Micro Science Issue No: 042 Issue date: 26 August 2021	
	22/4 Mill Road Industrial Estate Linlithgow Bridge West Lothian Scotland EH49 7SF	Contact: Dr Jennifer Newton Tel: +44 (0)1506 845405 E-Mail: info@expressmicroscience.co.uk Website: www.expressmicroscience.co.uk
Testing performed by the Organisation at the locations specified		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address 22/4 Mill Road Industrial Estate Linlithgow Bridge Scotland EH49 7SF Local contact Dr Jennifer Newton Tel: +44 (0)1506 845405 Fax: +44 (0)1506 845047 EMail: lab@expressmicrobiology.co.uk	Microbiological Testing	A
Address 22-25 Mill Road Industrial Estate Linlithgow Bridge Scotland EH49 7SF Local contact Dr Jennifer Newton Tel: +44 (0)1506 845405 Fax: +44 (0)1506 845047 EMail: lab@expressmicrobiology.co.uk	Chemical Testing	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
FOOD and FOOD PRODUCTS (unless specified)	<u>Chemical Tests</u>	Documented In-House Methods	
	Moisture	16.1.2 In-house method using oven drying	B
	Ash	16.1.1 in-house method	B
	Sodium	16.1.4 in-house method ashing followed by flame photometry	B
	Protein	16.1.8 based on Dumas method	B
	Total Dietary Fibre	16.1.10 based on AOAC 991.43	B
	Total sugars: Fructose, Galactose, Glucose Lactose, Maltose, Sucrose	16.1.9 by ion chromatography	B
	Fatty Acid Composition - Saturates - Mono-unsaturates - Poly-unsaturates - Trans fatty acids - Omega-3 acids - Omega-6 acids	16.1.11 by GC-FID	B
	Moisture Total Fat	16.1.6. Microwave drying and fat by Nuclear Magnetic Resonance using CEM Smart System Microwave	B
	Sulphur Dioxide	P8.2.64 Distillation with iodometric back titration	B
Water Activity	P8.2.66 by water activity meter	B	
Dairy Products	Fat	P8.2.65 by Rose Gottlieb method	B
Foodstuffs and Liquids	pH	P8.2.67 by pH meter	B
Meat and Meat products	Hydroxyproline	P8.2.62 Microwave hydrolysis with colorimetric determination	



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FOOD and FOOD PRODUCTS	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods	
	<u>Calculated Values</u>		
	Calculation of salt content	16.1.7 by calculation from sodium (16.1.4)	B
	Calculation of aqueous salt	16.1.7 by calculation from sodium (16.1.4)	B
	Carbohydrate by Difference Energy	16.1.7 According to Food Information Regulations 2014	B
	Apparent Meat Content (Stubbs & Moore)	16.1.7 Campden & Chorleywood 1999. Meat and Meat products: Calculations of Meat Content, Added Water and Connective tissue.	B
	Apparent Meat Content (Separated) (Stubbs & Moore)		
	Added Water (modified Stubbs & Moore)		
	Apparent Fish Content (Stubbs & Moore)	16.1.7 by calculation from analytical data	B
Apparent Fish Content (Separated) (Stubbs & Moore)			
Calculation of collagen		B	
Calculation of Wet Fat Free		B	
Connective Tissue		B	
Calculation of Collagen/Meat protein ratio		B	
FOOD and FOOD Products and SWABS	<u>Chemical Tests</u>	Documented In-House Methods	
	Determination of Gluten	16.1.3 using r-biopharm R5 ELISA Ridascreen kit.	B
Fish, Fish Products and Cheese	Determination of Histamine	16.1.5 by ELISA using Histasure ELISA Fast Track	B



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ANIMAL FEEDS and COMPOST / COMPOSTS	<u>Microbiological Tests</u>	Documented In-house Methods	
Animal Feeds and composts	Detection: <i>Salmonella</i> spp.	Method No 15.2.45 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 (amended 2013)	A
ANIMAL FEEDS Pet food	Enumeration: Enterobacteriaceae, confirmed	Method No 15.2.68 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 (amended 2013)	A
Compost and Digestates	<i>Escherichia coli</i> , β -glucuronidase positive	Method No 15.2.67 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 (amended 2013)	A



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<p>ENVIRONMENTAL SAMPLES</p> <p>Boot/sock/overshoe swabs, surface swabs, cloacal swabs, bulked faeces, dust, chick papers/hatcher tray liners and DOA organs</p>	<p><u>Microbiological Tests</u> (cont'd)</p> <p>Detection:</p> <p><i>Salmonella</i> spp (including serotyping groups A-G)</p>	<p>Documented In-house Methods</p> <p>Method No 15.2.9 based on BS EN ISO 6579-1:2017+A1:2020 (employing MSRV) for the purposes of testing in accordance with: Control of Salmonella in Poultry Order (CSPO), (England) 2007, (Wales) 2008</p> <p>Control of Salmonella in Poultry (Breeding, Laying and Broiler Flocks) (Scotland) Order 2009</p> <p>Control of Salmonella in Turkey Order (England) 2009, (Scotland) 2009 and (Wales) 2010</p> <p>Control of Broiler Flocks Order (England) 2009, (Wales) 2009</p>	A
<p>FOODS AND ENVIRONMENTAL SAMPLES, unless specified</p>	<p><u>Microbiological Tests</u></p> <p>Enumeration:</p> <p><i>Bacillus cereus</i>, presumptive</p>	<p>Documented In-House Methods based on standard methods as referenced</p> <ol style="list-style-type: none"> 1) Method No 15.2.22 using PEMBA selective agar at 37°C for 24h, and subsequently at room temperature for 24h 2) Method No 15.2.23 using chromogenic medium BCC at 37°C for 24h, and confirmation with gram stain, spore stain and haemolysis. 3) Method No 15.2.70 based on BS EN ISO7932:2004+A1:2020 	A A A



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FOODS AND ENVIRONMENTAL SAMPLES, unless specified (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods based on standard methods as referenced	
	Enumeration: (cont'd)		
	Coliforms presumptive and confirmed	Method No 15.2.19 based on ISO 4832:2006	A
	<i>Clostridium perfringens</i> , confirmed	Method No 15.2.10 based on BS EN ISO 7937:2004	A
	Enterobacteriaceae, presumptive and confirmed	Method No 15.2.21 based on BS ISO 21528-2:2017	A
	<i>Escherichia coli</i> , β -glucuronidase positive	1) Method No 15.2.17 based on BS EN ISO 16649-2:2001 2) Method no 15.2.18 based on BS EN ISO 16649-1:2018 using membranes	A A
	Lactic Acid Bacilli (presumptive)	Method No 15.2.26 based on BS EN ISO 15214:1998	A
	<i>Listeria</i> spp and <i>Listeria monocytogenes</i> confirmed	Method No 15.2.13 based on BS EN ISO 11290-2:2017	A
	<i>Pseudomonas</i> spp, presumptive	Method No 15.2.4 using spread plate on pseudomonas agar (CFC) based on ISO 13720:2010	A
	Coagulase positive Staphylococci, confirmed	Method No 15.2.5 based on BS EN ISO:6888:Part 1:1999 using Staphytec plus latex confirmation	A
Total Aerobic Colony Count at 30 °C		1) Method No. 15.2.1 based on BS EN ISO 4833-1:2013	A
		2) Method No. 15.2.1 using pour plate technique with Plate count agar at 30°C for 48h	A



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FOODS AND ENVIRONMENTAL SAMPLES, unless specified (cont'd) Vegetables, raw beef, raw milks, dairy products and Environmental swabs	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods based on standard methods as referenced	
	Enumeration: (cont'd)		
	Yeasts and Moulds (products with aW >0.95)	Method No 15.2.11 based on BS ISO 21527-1:2008	A
	Detection:		
	<i>Escherichia coli</i> , confirmed	Method No 15.2.15 based on BS ISO 7251:2005	A
	<i>Escherichia coli</i> O157, presumptive	1) Method No 15.2.27 based on BS EN ISO 16654:2001 + A1:2017 (without Immunomagnetic separation)	A
		2) Method No 15.2.65 using Solus ELISA Kit following pre-enrichment in mTSB. Confirmation using CT-SMAC and Colorex O157 chromogenic media and Oxoid latex agglutination kit	A
	<i>Listeria</i> spp and <i>Listeria monocytogenes</i>	1) Method No 15.2.13 based on BS EN ISO 11290-1:2017	A
	2) Method No 15.2.53 using Oxoid ONE Broth-Listeria and Brilliance Listeria agar (Oxoid Precip method)	A	
<i>Salmonella</i> spp, presumptive or confirmed	1) Method No 15.2.6 based on BS EN ISO 6579-1:2017+A1:2020	A	
	2) Method No 15.2.7 ELISA screening test using Solus Salmonella pre-enrichment with Method No 15.2.6 confirmatory tests	A	



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FOODS AND ENVIRONMENTAL SAMPLES, unless specified (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods based on standard methods as referenced	
FOOD Shell Eggs only (Shell and contents)	Detection (cont'd) <i>Salmonella</i> spp	Method 15.2.46 documented in house method in accordance with British Egg Industry Council Code of Practice for Lion Eggs Annex Q 2013, Issue 1, based on BS EN ISO 6579-1:2017+A1:2020	A
FOOD Poultry only	<i>Campylobacter</i> spp, confirmed	Method No 15.2.30 based on ISO 10272-1:2017 for testing poultry only	A
ENVIRONMENTAL SAMPLES and FOOD Shellfish, Smoked Fish and Fish products, (Raw and Frozen)	<i>Vibrio</i> spp., Confirmed including <i>Vibrio parahaemolyticus</i> , <i>Vibrio cholera</i> and <i>Vibrio vulnificus</i>	Method No 15.2.71 version 1, based on BS EN ISO 21872-1: 2017	A
WATERS Drinking, process, ground and Recreational	<u>Microbiological Tests</u>	Documented In-House Methods	
	Enumeration:		
	Total Colony Count at 22 °C	Method No 15.4.1 based on Microbiology of Drinking Water 2020 part 7	A
	Total Colony Count at 37 °C	Method No 15.4.1 based on Microbiology of Drinking Water 2020 part 7	A
	Coliforms, confirmed and presumptive	Method No 15.4.2 by membrane filtration using MLGA based on Microbiology of Drinking Water 2016 part 4B	A



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WATERS Drinking, process, ground and Recreational (cont'd)	<u>Microbiological Tests (cont'd)</u>	Documented In-House Methods	
	Enumeration: (cont'd)		
	<i>Escherichia coli</i> , confirmed and presumptive	Method No 15.4.2 by membrane filtration using MLGA based on Microbiology of Drinking Water 2016 part 4B	A
	<i>Pseudomonas aeruginosa</i> , confirmed	Method No 15.4.3 by membrane filtration based on Microbiology of Drinking Water 2015 part 8 and Microbiology of Recreational and Environmental Waters 2015 part 7	A
	Enterococci, confirmed	Method No 15.4.5 by membrane filtration based on Microbiology of Drinking Water 2012 part 5	A
	Sulphite Reducing Clostridia	Method No 15.4.4 by membrane filtration based on Microbiology of Drinking Water 2021 part 6 and Microbiology of Recreational and Environmental Waters 2015 part 5	A
	Sulphite Reducing Clostridial spores	Method No 15.4.4 by membrane filtration, with heat treatment at 80°C for 10 minutes, based on Microbiology of Drinking Water 2021 part 6 and Microbiology of Recreational and Environmental Waters 2015 part 5	A
WATERS Drinking, process, including cooling towers	Detection and Enumeration:	Documented In-House Methods based on standard methods as referenced	
	Isolation and enumeration of <i>Legionella pneumophila</i> sero-groups 1 and 2-14 and <i>Legionella</i> spp	Method 15.4.6 based on ISO 11731:1998 (withdrawn) with serotyping and speciation by Microgen Latex kit or Oxoid Latex kit	A



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WATERS (Cont'd) Endoscopy Washer-Disinfector Final Rinse Waters (Mains Fed and Reverse Osmosis), Reverse Osmosis Water	<u>Microbiological Tests (cont'd)</u> Enumeration: (cont'd) Total Aerobic Colony Count	Documented In-House Methods Method 15.4.10 using membrane filtration on R2A at 30°C for 5 days, Based on BS EN ISO 15883-1:2009 and HTM 01-06 Part E 2016	A
END			