

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>4352</b> Accredited to <b>ISO/IEC 17025:2017</b>	<b>Alex Stewart Agriculture Limited, trading as Huson and Hardwick</b>	
	Issue No: 019 Issue date: 28 May 2021	
	<b>Unit 21 Sefton Business Park Netherton Liverpool Merseyside L30 1RD United Kingdom</b>	<b>Contact: Des McMillan Tel: +44 (0)151 525 1488 Fax: +44 (0)151 530 1563 E-Mail: Des.Mcmillan@alexstewartagriculture.com Website: www.alexstewartagriculture.com</b>
<b>Testing performed by the Organisation at the locations specified</b>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<b>Address</b> Unit 21 Sefton Business Park Netherton Liverpool L30 1RD United Kingdom	<b>Local contact</b>  Chemical and microbiological testing	A
<b>Address</b> Unit 20 Sefton Business Park Netherton Liverpool L30 1RD United Kingdom	<b>Local contact</b>  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
ANIMAL FEEDS  Animal feed, dry pet foods and wet pet foods  Animal feed, maize, pulses, dry pet foods and wet pet foods  Food and Food Products, animal feeds, pet food, premixes and additives	<u>Chemical Tests</u>	Documented in-house methods identified by method number	A
	Chloride (Total)	07L.1.09 based on Pearsons Chemical Analysis of Foods using nitric acid and Titration	A
	Nitrogen	07L.1.03 based on ISO 5983-1:2005 and ISO 20483:2013	A
	Fibre (Crude)	07L.1.07 based on ISO 6865:2001	A
	Moisture and Volatile Matter	07L.1.02 based on ISO 6496:1999, ISO 712:2009, vacuum oven drying at 65°C, and ISO 24557:2009	A
	Oils and Fats (Crude)	07L1.04 based on Commission Regulation (EC) 152/2009 and ISO 6492:1999	A
	Metals: Calcium Magnesium Phosphorus Potassium	07L.1.33 by ICP-OES following microwave digestion by 07L.1.25	B
	Fatty acid composition	07L.1.06 based on ISO 12966-2:2017	A
	<u>Calculated Values</u>		
	Protein (Crude) (Calculated from Nitrogen)	07L.1.03 based on ISO 5983-1:2005	A
Nitrogen/Crude protein	07L.1.23 based on Dumas method	A	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ANIMAL FEEDS (cont'd)	<u>Microbiological Tests</u>	Documented in-house methods identified by method number	
	Detection of: <i>Salmonella spp</i>	07M.1.01 based on BS EN ISO 6579-1:2017 AMD 1: 2020 in accordance with the Animal By-Products Regulations (ABPR) 2013 with specific reference to Regulation (EC) 1069/2009 and 142/2011 (amended 2013)	A
	Enumeration of: <i>Clostridium perfringens</i>	07M.1.03 based on BS EN ISO 7937:2004 in accordance with the Animal By-Products Regulations (ABPR) 2013 with specific reference to Regulation (EC) 1069/2009 and 142/2011 (amended 2013)	A
	Enterobacteriaceae	07M.1.02 based on BS ISO 21528-2:2004 in accordance with the Animal By-Products Regulations (ABPR) 2013 with specific reference to Regulation (EC) 1069/2009 and 142/2011 (amended 2013)	A
ENVIRONMENTAL SAMPLES	Detection of: <i>Listeria spp</i> including Identification of <i>Listeria monocytogenes</i> and other named species	07M.1.16 based on BS EN ISO 11290-1:2017	A
	Enumeration of: Aerobic Colony Count	07M.1.07 based on BS EN ISO 4833-1:2013	A
	Coliforms (presumptive)	07M.1.11 based on BS ISO 4832:2006 at 37 °C	A



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ENVIRONMENTAL SAMPLES (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented in-house methods identified by method number	
	Enumeration of:		
	<i>Escherichia coli</i> ( $\beta$ -glucuronidase positive)	07M.1.10 based on BS ISO 16649-2:2001	A
	Enterobacteriaceae (presumptive and confirmed)	07M.1.10 based on BS EN ISO 21528-2:2007	A
	Faecal Streptococci (presumptive)	07M.1.18 based on BS 4285-3.11:1985	A
	<i>Listeria</i> spp including Identification of <i>Listeria monocytogenes</i> and other named species	07M.1.017 based on BS EN ISO 11290-2:2017	A
	Coagulase positive staphylococci including <i>Staphylococcus aureus</i>	07M.1.12 based on BS EN ISO 6888-1:1999 and confirmation using Microgen latex	A



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
FOOD and FOOD PRODUCTS Other than matrices affected by above exclusion  (excluding dairy products and oil seeds)  Foods containing <15% sugar (excluding oil seeds)  Foods containing >15% sugar (excluding dairy products, oil seeds)  Other than matrices affected by above exclusions	<u>Chemical Tests</u>		
	Fat (Total)	07L.1.17 based on BS 4401-4:1970	A
	Moisture, Volatile Matter and Dry Matter	07L.1.15 (method A) based on BS 4401-3:1997	A
	Moisture, Volatile Matter and Dry Matter	07L.1.15 (method B) based on BS 4401-3:1997	A
	Energy and Carbohydrate (total and available) by Calculation	07L.1.019	A
	Dietary fibre	07L.1.20 by Ankom Fibre Analyser according to AOAC 991.43	A
	Sodium/Salt (calculated from sodium)	07L.1.26 by ICP-OES following microwave digestion by 07L.1.25	B
Food and Food Products Animal Feeds Pet Food	Nitrogen/Crude protein	07L.1.23 based on Dumas Method	A
	Nitrogen/Crude protein	07L.1.03 based on ISO 5983-1:2005 and ISO 20483:2013	A
	Ash	07L.1.11 based on ISO 5984:2002	A



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FOOD and FOOD PRODUCTS (cont'd) Other than matrices affected by above exclusion	<u>Chemical Tests</u> (cont'd)	Documented in-house methods identified by method number	
Foods, fats and oils	Fatty Acid Composition - Saturates - Mono-unsaturates - Poly-unsaturates - Trans fatty acids - Omega-3 acids - Omega-6 acids	07L.1.06 based on ISO 12966-2:2017	A
Butter, spreads and edible oil emulsions	Fat	07L.1.28. Gravimetric based on SO 17189:2003	A
Cheese	Fat	07L.1.29. Gravimetric based on ISO 1735:2004	A
Dairy products (excluding butter, spreads and cheese)	Fat	07L.1.30 Rose Gottlieb	A
Food and Food Products, Animal Feeds, Pet Foods	Total sugar	07L.1.31. Luff Schoorl	A
FOOD and FOOD PRODUCTS	<u>Microbiological Tests</u>		
	Detection of:		
	Listeria spp including Identification of Listeria monocytogenes and other named species	07M.1.16 based on BS EN ISO 11290-1:2017	A
	Salmonella spp	07M.1.04 based on BS EN ISO 6579-1:2017	A
	Enumeration of:		
	Aerobic Colony Count	07M.1.07 based on BS EN ISO 4833-1:2013	A
	Bacillus cereus (presumptive)	07M.1.13 based on BS EN ISO 7932:2004 AMD 1 : 2020	A



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FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented in-house methods identified by method number	
	Enumeration of:		
	<i>Clostridium perfringens</i>	07M.1.06 based on based on BS EN ISO 7937:2004	A
	Coliforms (presumptive)	07M.1.11 based on BS ISO 4832:2006 at 37 °C	A
	<i>Escherichia coli</i> (β-glucuronidase-positive)	07M.1.10 based on BS ISO 16649-2:2001	A
	Enterobacteriaceae (presumptive and confirmed)	07M.1.05 based on BS ISO 21528-2:2017	A
	<i>Enterococcus</i> spp (presumptive)	07M.1.18 based on BS 4285-3.11:1985	A
FOOD and FOOD PRODUCTS (Aw >0.95)	<i>Listeria</i> spp including Identification of <i>Listeria monocytogenes</i> and other named species	07M.1.17 based on BS EN ISO 11290-2:2017	A
	Coagulase positive staphylococci including <i>Staphylococcus aureus</i>	07M.1.12 based on BS EN ISO 6888-1:1999 AMD 2: 2018 and confirmation using Microgen latex	A
	Moulds	07M.01.09 based on BS ISO 21527-1:2008	A
FOOD and FOOD PRODUCTS (Aw ≤0.95)	Yeast	07M.01.09 based on BS ISO 21527-1:2008	A
	Moulds	07M.01.08 based on BS ISO 21527-2:2008	A
	Yeast	07M.01.08 based on BS ISO 21527-2:2008	A

END