

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



4352

Accredited to
ISO/IEC 17025:2005

Alex Stewart Agriculture Limited, trading as Huson and Hardwick

Issue No: 013 Issue date: 05 July 2018

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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
ANIMAL FEEDS	<u>Chemical Tests</u>	Documented in-house methods identified by method number
	Calcium	07L.1.05 based on ISO 6869:2000
	Chloride (Total)	07L.1.09 based on Pearsons Chemical Analysis of Foods using nitric acid and Titration
	Magnesium	07L.1.05 based on ISO 6869:2000
	Nitrogen	07L.1.03 based on ISO 5983-1:2005
	Potassium	07L.1.10 based on ISO 7485:2000
	Sodium	07L.1.10 based on ISO 7485:2000
Oilseed (Rapeseed)	Moisture	07L.1.12 based on ISO 665:2000
	Oils	07L.1.13 based on ISO 659:2009
Animal feed, dry pet foods and wet pet foods	Ash (crude)	07L.1.11 based on ISO 5984:2002
	Fibre (Crude)	07L.1.07 based on ISO 6865:2001
	Moisture and Volatile Matter	07L.1.02 based on ISO 6496:1999, ISO 712:2009 and vacuum oven drying at 65°C
	Oils and Fats (Crude)	07L1.04 based on Commission Regulation (EC) 152/2009



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ANIMAL FEEDS (cont'd)	<p><u>Chemical Tests</u></p> <p>Fatty acid composition</p> <p><u>Calculated Values</u></p> <p>Protein (Crude) (Calculated from Nitrogen)</p> <p>Nitrogen/Crude protein</p> <p><u>Microbiological Tests</u></p> <p>Detection of:</p> <p><i>Salmonella spp</i></p> <p>Enumeration of:</p> <p><i>Clostridium perfringens</i></p> <p>Enterobacteriaceae</p>	<p>07L.1.06 based on ISO 12966-2:2017</p> <p>07L.1.03 based on ISO 5983-1:2005</p> <p>07L.1.23 based on Dumas method</p> <p>Documented in-house methods identified by method number</p> <p>07M.1.01 based on BS EN ISO 6579-1:2017 in accordance with the Animal By-Products Regulations (ABPR) 2011 with specific reference to Regulation (EC) 1069/2009 and 142/2011</p> <p>07M.1.03 based on BS EN ISO 7937:2004 in accordance with the Animal By-Products Regulations (ABPR) 2011 with specific reference to Regulation (EC) 1069/2009 and 142/2011</p> <p>07M.1.02 based on BS ISO 21528-2:2004 in accordance with the Animal By-Products Regulations (ABPR) 2011 with specific reference to Regulation (EC) 1069/2009 and 142/2011</p>



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ENVIRONMENTAL SAMPLES	<p><u>Microbiological Tests</u></p> <p>Detection of:</p> <p><i>Listeria</i> spp including Identification of <i>Listeria monocytogenes</i> and other named species</p> <p>Enumeration of:</p> <p>Aerobic Colony Count</p> <p>Coliforms (presumptive)</p> <p><i>Escherichia coli</i> (β-glucuronidase positive)</p> <p>Enterobacteriaceae (presumptive and confirmed)</p> <p>Faecal Streptococci (presumptive)</p> <p><i>Listeria</i> spp including Identification of <i>Listeria monocytogenes</i> and other named species</p> <p>Coagulase positive staphylococci including <i>Staphylococcus aureus</i></p>	<p>Documented in-house methods identified by method number</p> <p>07M.1.16 based on BS EN ISO 11290-1:2017</p> <p>07M.1.07 based on BS EN ISO 4833-1:2013</p> <p>07M.1.11 based on BS ISO 4832:2006 at 37 °C</p> <p>07M.1.10 based on BS ISO 16649-2:2001</p> <p>07M.1.05 based on BS ISO 21528-2:2004</p> <p>07M.1.18 based on BS 4285-3.11:1985</p> <p>07M.1.017 based on BS EN ISO 11290-2:2017</p> <p>07M.1.12 based on BS EN ISO 6888-1:1999 and confirmation using Microgen latex</p>
<p>FOOD and FOOD PRODUCTS</p> <p>(excluding dairy products and oil seeds)</p> <p>Foods containing <15% sugar (excluding dairy products, oil seeds)</p> <p>Foods containing >15% sugar (excluding dairy products, oil seeds)</p>	<p><u>Chemical Tests</u></p> <p>Ash</p> <p>Fat (Total)</p> <p>Moisture and Volatile Matter</p> <p>Moisture and Volatile Matter</p>	<p>07L.1.16 based on BS 4401-1:1998</p> <p>07L.1.17 based on BS 4401-4:1970</p> <p>07L.1.15 (method A) based on BS 4401-3:1997</p> <p>07L.1.15 (method B) based on BS 4401-3:1997</p>



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FOOD and FOOD PRODUCTS (cont'd)	<u>Chemical Tests</u>	Documented in-house methods identified by method number
	Protein (Crude) (Calculated from Nitrogen)	07L.1.18 based on BS 4401-2:1980
Other than matrices affected by above exclusions	Nitrogen/Crude protein	07L.1.23 based on Dumas method
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
FOOD and FOOD PRODUCTS	<u>Microbiological Tests</u>	
	Detection of:	
	<i>Listeria</i> spp including Identification of <i>Listeria monocytogenes</i> and other named species	07M.1.16 based on BS EN ISO 11290-1:2017
	<i>Salmonella</i> spp	07M.1.04 based on BS EN ISO 6579-1:2017
	Enumeration of:	
	Aerobic Colony Count	07M.1.07 based on BS EN ISO 4833-1:2013
	<i>Bacillus cereus</i> (presumptive)	07M.1.13 based on BS EN ISO 7932:2004
	<i>Clostridium perfringens</i>	07M.1.06 based on based on BS EN ISO 7937:2004
	Coliforms (presumptive)	07M.1.11 based on BS ISO 4832:2006 at 37 °C
	<i>Escherichia coli</i> (β -glucuronidase-positive)	07M.1.10 based on BS ISO 16649-2:2001
	Enterobacteriaceae (presumptive and confirmed)	07M.1.05 based on BS ISO 21528-2:2017



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FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiological Tests</u> (cont'd) Enumeration of: <i>Enterococcus</i> spp (presumptive) <i>Listeria</i> spp including Identification of <i>Listeria monocytogenes</i> and other named species Coagulase positive staphylococci including <i>Staphylococcus aureus</i>	Documented in-house methods identified by method number 07M.1.18 based on BS 4285-3.11:1985 07M.1.17 based on BS EN ISO 11290-2:2017 07M.1.12 based on BS EN ISO 6888-1:1999 and confirmation using Microgen latex
FOOD and FOOD PRODUCTS (aW >0.95)	Moulds Yeast	07M.01.09 based on BS ISO 21527-1:2008 07M.01.09 based on BS ISO 21527-1:2008
FOOD and FOOD PRODUCTS (Aw ≤0.95)	Moulds Yeast	07M.01.08 based on BS ISO 21527-2:2008 07M.01.08 based on BS ISO 21527-2:2008
END		