

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: 012 Issue date: 27 October 2017

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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.1.005 based on ISO 6869:2000
	Chloride (Total)	07L.1.009 based on Pearsons Chemical Analysis of Foods using muffle oven and Titration
	Magnesium	07L.1.005 based on ISO 6869:2000
	Nitrogen	07L.1.003 based on ISO 5983-1:2005
	Potassium	07L.1.010 based on ISO 7485:2000
	Sodium	07L.1.010 based on ISO 7485:2000
Oilseed (Rapeseed)	Moisture	07L.1.012 based on ISO 665:2000
	Oils	07L.1.013 based on ISO 659:2009
Animal feed, dry pet foods and wet pet foods	Ash (crude)	07L.1.011 based on ISO 5984:2002
	Fibre (Crude)	07L.1.007 based on ISO 6865:2001
	Moisture and Volatile Matter	07L.1.002 based on ISO 6496:1999
	Oils and Fats (Crude)	07L.1.004 based on Commission Regulation (EC) 152/2009
Animal feed, dry pet foods and wet pet foods, Food fats and oils	Fatty Acid Methyl Esters	07L.1.006 based on ISO 12966-2:2011



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ANIMAL FEEDS (cont'd)	<u>Calculated Values</u> Protein (Crude) (Calculated from Nitrogen) Nitrogen/Crude protein <u>Microbiological Tests</u> Detection of: <i>Salmonella spp</i> Enumeration of: <i>Clostridium perfringens</i> Enterobacteriaceae	07L.1.003 based on ISO 5983-1:2005 07L.1.23 based on Dumas method Documented in-house methods identified by method number 07M.1.001 based on BS EN ISO 6579:2002 + A1:2007 in accordance with the Animal By-Products Regulations (ABPR) 2011 with specific reference to Regulation (EC) 1069/2009 and 142/2011 07M.1.003 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 07M.1.002 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
ENVIRONMENTAL SAMPLES	<u>Microbiological Tests</u> Detection of: <i>Listeria spp</i> including Identificaiton of <i>Listeria monocytogenes</i> <i>Salmonella spp</i>	Documented in-house methods identified by method number 07M.1.016 based on BS EN ISO 11290-1:1997 07M.1.004 based on BS EN ISO 6579:2002 + A1:2007



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ENVIRONMENTAL SAMPLES (cont'd)	<u>Microbiological Tests</u> (cont'd) Enumeration of: Aerobic Colony Count Coliforms (presumptive) <i>E. coli</i> (β glucuronidase-positive) Enterobacteriaceae (presumptive and confirmed) Faecal Streptococci (presumptive) <i>Listeria</i> spp including Identificaiton of <i>Listeria monocytogenes</i> Coagulase positive staphylococci including <i>Staphylococcus aureus</i>	Documented in-house methods identified by method number 07M.1.007 based on BS EN ISO 4833-1:2013 07M.1.011 based on BS ISO 4832:2006 at 37 °C 07M.1.010 based on BS ISO 16649-2:2001 07M.1.005 based on BS ISO 21528-2:2004 07M.1.018 based on BS 4285-3.11:1985 07M.1.017 based on BS EN ISO 11290-2:1998 07M.1.012 based on BS EN ISO 6888-1:1999 and confirmation using Microgen latex
FOOD and FOOD PRODUCTS (excluding dairy products and oil seeds) Foods containing <15% sugar (excluding dairy products, oil seeds) Foods containing >15% sugar (excluding dairy products, oil seeds) Other than matrices affected by above exclusions	<u>Chemical Tests</u> Ash Fat (Total) Moisture and Volatile Matter Moisture and Volatile Matter Protein (Crude) (Calculated from Nitrogen) Nitrogen/Crude protein 07L.1.23 Energy and Carbohydrate by Calculation	07L.1.016 based on BS 4401-1:1998 07L.1.017 based on BS 4401-4:1970 07L.1.015 (method A) based on BS 4401-3:1997 07L.1.015 (method B) based on BS 4401-3:1997 07L.1.018 based on BS 4401-2:1980 07L.1.23 based on Dumas method 07L.1.019



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FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiological Tests</u> Detection of: <i>Listeria</i> spp including Identificaiton of <i>Listeria monocytogenes</i> <i>Salmonella</i> spp Enumeration of: Aerobic Colony Count <i>Bacillus cereus</i> (presumptive) <i>Clostridium perfringens</i> Coliforms (presumptive) <i>E. coli</i> (βeta-glucuronidase-positive) Enterobacteriaceae (presumptive and confirmed) Faecal Streptococci (presumptive) <i>Listeria</i> spp including Identificaiton of <i>Listeria monocytogenes</i> Coagulase positive staphylococci including <i>Staphylococcus aureus</i>	Documented in-house methods identified by method number 07M.1.016 based on BS EN ISO 11290-1:1997 07M.1.004 based on BS EN ISO 6579:2002 + A1:2007 07M.1.007 based on BS EN ISO 4833-1:2013 07M.1.013 based on BS EN ISO 7932:2004 07M.1.006 based on based on BS EN ISO 7937:2004 07M.1.011 based on BS ISO 4832:2006 at 37 °C 07M.1.010 based on BS ISO 16649-2:2001 07M.1.005 based on BS ISO 21528-2:2004 07M.1.018 based on BS 4285-3.11:1985 07M.1.017 based on BS EN ISO 11290-2:1998 07M.1.012 based on BS EN ISO 6888-1:1999 and confirmation using Microgen latex
FOOD and FOOD PRODUCTS (aW >0.95)	Mould Yeast	07M.01.009 based on BS ISO 21527-1:2008 07M.01.009 based on BS ISO 21527-1:2008



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FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiological Tests</u> (cont'd)	Documented in-house methods identified by method number
FOOD and FOOD PRODUCTS (Aw ≤0.95)	Mould	07M.01.008 based on BS ISO 21527-2:2008
	Yeast	07M.01.008 based on BS ISO 21527-2:2008
END		