

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: 011 Issue date: 07 April 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
	Ash (Crude)	07L.1.011 based on ISO 5984:2002
	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
	Fatty Acid Methyl Esters	07L.1.006 based on ISO 12966-2:2011
	Fibre (Crude)	07L.1.007 based on ISO 6865:2001
	Magnesium	07L.1.005 based on ISO 6869:2000
	Moisture and Volatile Matter	07L.1.002 based on ISO 6496:1999
	Nitrogen	07L.1.003 based on ISO 5983-1:2005
	Oils and Fats (Crude)	07L.1.004 based on Commission Regulation (EC) 152/2009
	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



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ANIMAL FEEDS (cont'd)	<u>Calculated Values</u>	Documented in-house methods identified by method number
	Protein (Crude) (Calculated from Nitrogen)	07L.1.003 based on ISO 5983-1:2005
	Nitrogen/Crude protein	07L.1.23 based on Dumas method
	<u>Microbiological Tests</u>	Documented in-house methods identified by method number
	Detection of:	
	<i>Salmonella spp</i>	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
	Enumeration of:	
	<i>Clostridium perfringens</i>	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
	Enterobacteriaceae	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>	07M.1.016 based on BS EN ISO 11290-1:1997
	<i>Salmonella spp</i>	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)	Documented in-house methods identified by method number
	Enumeration of:	
	Aerobic Colony Count	07M.1.007 based on BS EN ISO 4833-1:2013
	Coliforms (presumptive)	07M.1.011 based on BS ISO 4832:2006 at 37 °C
	<i>E. coli</i> (βeta-glucuronidase-positive)	07M.1.010 based on BS ISO 16649-2:2001
	Enterobacteriaceae (presumptive and confirmed)	07M.1.005 based on BS ISO 21528-2:2004
	Faecal Streptococci (presumptive)	07M.1.018 based on BS 4285-3.11:1985
	<i>Listeria</i> spp including Identificaiton of <i>Listeria monocytogenes</i>	07M.1.017 based on BS EN ISO 11290-2:1998
Coagulase positive staphylococci including <i>Staphylococcus aureus</i>	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)	<u>Chemical Tests</u>	
	Ash	07L.1.016 based on BS 4401-1:1998
	Fat (Total)	07L.1.017 based on BS 4401-4:1970
	Moisture and Volatile Matter	07L.1.015 (method A) based on BS 4401-3:1997
	Moisture and Volatile Matter	07L.1.015 (method B) based on BS 4401-3:1997
	Protein (Crude) (Calculated from Nitrogen)	07L.1.018 based on BS 4401-2:1980
	Nitrogen/Crude protein 07L.1.23	07L.1.23 based on Dumas method
Other than matrices affected by above exclusions	Energy and Carbohydrate by Calculation	07L.1.019



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FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiological Tests</u>	Documented in-house methods identified by method number
	Detection of:	
	<i>Listeria</i> spp including Identificaiton of <i>Listeria monocytogenes</i>	07M.1.016 based on BS EN ISO 11290-1:1997
	<i>Salmonella</i> spp	07M.1.004 based on BS EN ISO 6579:2002 + A1:2007
	Enumeration of:	
	Aerobic Colony Count	07M.1.007 based on BS EN ISO 4833-1:2013
	<i>Bacillus cereus</i> (presumptive)	07M.1.013 based on BS EN ISO 7932:2004
	<i>Clostridium perfringens</i>	07M.1.006 based on based on BS EN ISO 7937:2004
	Coliforms (presumptive)	07M.1.011 based on BS ISO 4832:2006 at 37 °C
	<i>E. coli</i> (βeta-glucuronidase-positive)	07M.1.010 based on BS ISO 16649-2:2001
Enterobacteriaceae (presumptive and confirmed)	07M.1.005 based on BS ISO 21528-2:2004	
Faecal Streptococci (presumptive)	07M.1.018 based on BS 4285-3.11:1985	
<i>Listeria</i> spp including Identificaiton of <i>Listeria monocytogenes</i>	07M.1.017 based on BS EN ISO 11290-2:1998	
Coagulase positive staphylococci including <i>Staphylococcus aureus</i>	07M.1.012 based on BS EN ISO 6888-1:1999 and confirmation using Microgen latex	
FOOD and FOOD PRODUCTS (aW >0.95)	Mould	07M.01.009 based on BS ISO 21527-1:2008
	Yeast	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) (cont'd)	Mould	07M.01.008 based on BS ISO 21527-2:2008
	Yeast	07M.01.008 based on BS ISO 21527-2:2008
END		

United Kingdom Accreditation Service

ACCREDITATION CERTIFICATE



TESTING LABORATORY
No. 4352

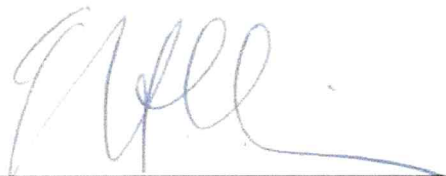
Alex Stewart Agriculture Limited, trading as Huson and Hardwick

is accredited in accordance with the recognised International Standard ISO/IEC 17025:2005
General Requirements for the competence of testing and calibration laboratories

This accreditation demonstrates technical competence for a defined scope as detailed in and at the locations specified in the schedule to this certificate, and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009).

The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued by the United Kingdom Accreditation Service. The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from the UKAS website www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements. The absence of a schedule on the UKAS website indicates that the accreditation is no longer in force.



Accreditation Manager, United Kingdom Accreditation Service

Initial Accreditation date
24 August 2011

This certificate issued on
29 August 2012

UKAS is appointed as the sole national accreditation body for the UK by The Accreditation Regulations 2009 (SI No 3155/2009) and operates under a Memorandum of Understanding (MoU) with the Department for Business, Innovation and Skills (BIS).