

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



2511

Accredited to
ISO/IEC 17025:2005

Sciantec Analytical Services, a trading division of Cawood Scientific Limited

Issue No: 041 Issue date: 25 July 2019

Stockbridge Technology Centre
Bishopdyke Road
Cawood
North Yorkshire
YO8 3SD

Contact: Mr Jon Welburn
Tel: +44 (0)1757 242400
Fax: +44 (0)1757 242401
E-Mail: jon.welburn@sciantec.uk.com
Website: www.sciantec.uk.com

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 FEEDING STUFFS WET PET FOODS	<u>Chemical Tests</u>	Documented In-House Methods:
	Moisture	S 1023 using Gravimetry
	Crude Fibre	S 1022 using Gravimetry
	Oil-B	S 1026 using modified Weibul Acid Hydrolysis Method
	Crude Protein and Nitrogen	S 1018 using DUMAS method
	Salt (sodium chloride)	S 1002 using Electrometry
ANIMAL FEEDING STUFFS	Ash (Total Mineral Matter)	S 1024 using Gravimetry
	Starch	S 1028 using Polarimetry
	Neutral Cellulose Gammanase Digestibility	S 1043 by calculation
	Indigestible Organic Matter	S 1014 using enzymatic gravimetry
	Neutral Detergent Fibre	S 1012 using Enzymatic Gravimetry
	Total Sugar	S 1027 using the Luff School method
	Oil-A	S 1013 using Soxhlet Method
	Aflatoxins B1, G1, B2, G2 Total Aflatoxins	S 1006 by HPLC using Post Column Electrochemical Derivatisation
Chlortetracycline hydrochloride	S 1187 by HPLC and UV detection	



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ANIMAL FEEDING STUFFS (cont'd)	<u>Chemical Tests</u> (cont'd) Calculated energy value for Pig, Poultry and Ruminant Feed by calculation Moisture Starch Crude Fibre NDF NCGD Total Sugar Oil-A Oil-B Crude Protein Ash Salt	Documented In-House Methods: S 1003 S 1021 using Near Infra-Red analysis
ANIMAL FEEDING STUFFS, ILEAL and FAECAL MATERIAL	<u>Amino Acids:</u> Alanine Arginine Aspartic Acid Cystine Glutamic Acid Glycine Histidine Isoleucine Leucine Lysine Methionine Phenylalanine Proline Serine Threonine Valine	S1083 using Ion Exchange Chromatography using the Biochrom Amino Acid Analyser Sodium System
ANIMAL FEEDING STUFFS FEED PREMIX, WET PET FOODS, MOIST CO-PRODUCTS	<u>Minerals:</u> Arsenic Cadmium Cobalt Mercury Molybdenum Lead Selenium	S1172 using ICP-MS
ANIMAL FEEDING STUFFS, RAW MATERIALS and FEED PREMIXES	Fluoride	S1184 by ion selective electrode



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PROBIOTIC FEED MATERIALS	<u>Chemical Tests</u> (cont'd) <u>Minerals:</u> Arsenic Cadmium Lead Mercury	Documented In-House Methods: S1172 using ICP-MS
ANIMAL FEEDING STUFFS WET PET FOOD	<u>Minerals:</u> Calcium Copper Iron Magnesium Manganese Phosphorus Potassium Sodium Zinc	S 1015 using ICP-OES
CEREALS	Moisture Hagberg Falling number Hectolitre weight Crude Protein and Nitrogen	S 1029 using Gravimetry S 1001 using falling number apparatus 1025 using Kern chondrometer S 1018 using the DUMAS method
FOODS RAW MATERIALS ANIMAL FEEDINGSTUFFS	Deoxynivalenol (DON, Vomitoxin) Fumonisin B1 & B2 T2 & HT2 toxins	S 1008 using HPLC with UV/Vis detection S 1141 using HPLC with fluorescence detection S 1147 using HPLC with fluorescence detection
FOODS RAW MATERIALS ANIMAL FEEDINGSTUFFS (including forage and moist co-products)	Ochratoxin A Zearalenone	S 1144 using HPLC with fluorescence detection S 1142 using HPLC with fluorescence detection



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FOODS RAW MATERIALS ANIMAL FEEDINGSTUFFS (including forage and moist co-products) (cont'd) Forage	<u>Chemical Tests</u> (cont'd) Cobalt Iodine Lead Molybdenum Selenium Titanium Aluminium Boron Calcium Copper Iron Magnesium Manganese Phosphorus Potassium Sodium Sulfur Zinc	Documented In-house Methods: S1185 by ICP-MS S1185 by ICP-OES
Animal Feeding Stuffs, Raw Materials and Pet Food	Vitamin A & E Vitamin D3	S1181; HPLC with UV/Vis and Fluorescence Detection S1181; Semi-preperative clean-up followed by HPLC with UV/Vis
ANIMAL BY-PRODUCTS, AND WET PET FOOD	<u>Microbiology Tests</u> Enumeration of: Enterobacteriaceae	Documented in-house methods S 2143 based on ISO 21528-2:2017 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2011 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS110: 2010 (where applicable)



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ANIMAL BY-PRODUCTS, AND WET PET FOOD (cont'd)	<p><u>Microbiology Tests</u> (cont'd)</p> <p>Detection of <i>Salmonella</i> spp.</p> <p>Enumeration of: β-glucuronidase positive <i>Escherichia coli</i></p>	<p>Documented in-house methods</p> <p>S 2100 based on BS EN ISO 6579-1:2017 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2011 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS110: 2010 (where applicable)</p> <p>S 2142 based on BS EN ISO 16649-2:2001 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2011 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS110: 2010 (where applicable)</p>
ANIMAL FEEDS, RAW MATERIALS, ENVIRONMENTAL SAMPLES AND SWABS	<p>Detection of <i>Salmonella</i> spp.</p> <p>Enumeration of: Presumptive Enterobacteriaceae</p> <p>β-glucuronidase positive <i>Escherichia coli</i></p>	<p>S 2100 based on BS EN ISO 6579-1:2017</p> <p>S 2143 based on BS ISO 21528-2:2017 (without confirmation)</p> <p>S 2142 based on BS EN ISO 16649-2:2001</p>
ANAEROBIC DIGESTATES AND COMPOSTS	<p>β-glucuronidase positive <i>Escherichia coli</i></p>	<p>S 2142 based on BS EN ISO 16649-2:2001 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations[ABPR] 2011 No 881, as implemented by EU Regulations 142/2011 and/or in accordance with the requirements of PAS 110:2010 or PAS 100:2010 (where applicable)</p>



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ANAEROBIC DIGESTATE AND COMPOST (cont'd)	<u>Microbiological Tests</u> (cont'd) Detection of <i>Salmonella</i> spp. Enumeration of presumptive Enterobacteriaceae	Documented In-house Methods S 2100 based on BS EN ISO 6579-1:2017 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2011 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS110: 2010 (where applicable) S 2143 based on BS ISO 2158-2: 2017 (without confirmation)
END		