


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>2511</p> <p>Accredited to ISO/IEC 17025:2017</p>	<p>Sciantec Analytical Services, a trading division of Cawood Scientific Limited</p> <p>Issue No: 046 Issue date: 03 September 2021</p>	
	<p>Stockbridge Technology Centre Bishopdyke Road Cawood North Yorkshire YO8 3SD</p>	<p>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</p>
<p>Testing performed at the above address only</p>		

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
	Ash (Total Mineral Matter)	S 1024 using Gravimetry
ANIMAL FEEDING STUFFS	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, cat, dog 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 S 1025 using Kern chondrometer S 1018 using the DUMAS method
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
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	S1181; HPLC with UV/Vis and Fluorescence Detection
	Vitamin D3	S1181; Semi-preperative clean-up followed by HPLC with UV/Vis
Animal Feedingstuffs, Raw Material and Food (as in Apendix 1)	Pesticides (as in Appendix 1)	S1220: Pesticide Residues by GCMS/MS



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ANIMAL BY-PRODUCTS, AND WET PET FOOD	<p><u>Microbiology Tests</u></p> <p>Enumeration of: Enterobacteriaceae</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 2143 based on ISO 21528-2:2017 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2013 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS110: 2014 (where applicable)</p> <p>S 2100 based on BS EN ISO 6579-1:2017+A1:2020 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2013 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS100: 2018 and PAS 110:2014 (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] 2013 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS100: 2018 and PAS 110:2014 (where applicable)</p>
ANIMAL FEEDS, RAW MATERIALS, ENVIRONMENTAL SAMPLES AND SWABS (stick, cloth and sponge swabs)	<p>Detection of <i>Salmonella</i> spp.</p>	<p>S 2100 based on BS EN ISO 6579-1:2017+A1:2020</p>



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ANIMAL FEEDS, RAW MATERIALS, ENVIRONMENTAL SAMPLES AND SWABS (stick, cloth and sponge swabs)	Enumeration of: Presumptive Enterobacteriaceae	S 2143 based on BS ISO 21528-2:2017 (without confirmation)
ANAEROBIC DIGESTATES AND COMPOSTS	β -glucuronidase positive <i>Escherichia coli</i>	S 2142 based on BS EN ISO 16649-2:2001
ANAEROBIC DIGESTATE AND COMPOST (cont'd)	β -glucuronidase positive <i>Escherichia coli</i>	S 2142 based on BS EN ISO 16649-2:2001 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2013 No 881, as implemented by EU Regulations 142/2011 and/or in accordance with the requirements of PAS100: 2018 and PAS 110:2014 (where applicable)
	<u>Microbiological Tests (cont'd)</u>	Documented In-house Methods
	Detection of <i>Salmonella</i> spp.	S 2100 based on BS EN ISO 6579-1:2017+A1:2020 to meet the requirements of the Animal By Products (Enforcement) (England) Regulations [ABPR] 2013 No 881, as implemented by EU Regulation 142/2011 and/or in accordance with the requirements of PAS100: 2018 and PAS 110:2014 (where applicable)
	Enumeration of presumptive Enterobacteriaceae	S 2143 based on BS ISO 21528-2: 2017 (without confirmation)
END		



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Appendix 1:

SANTE Group	Feed 3	Feed 4a	Food 5	Feed 5	Feed 6	Feed 7
Matrix Material	Oil	Soya	Wheat	Feed	Premix	Fishmeal
Pesticide						
Acetochlor	X	X	X	X	X	X
Acrinathrin					X	
Alachlor	X	X	X	X	X	X
Aldrin	X	X	X	X	X	X
Anthraquinone	X	X	X	X	X	X
Atrazine	X	X	X	X		X
Benfluralin	X	X	X	X	X	X
Bifenthrin					X	
Bromophos ethyl		X	X	X	X	X
Bromophos methyl		X	X	X		X
Bromopropylate		X	X	X	X	X
Bupirimate	X			X	X	X
Carbophenothion				X	X	
Carfentrazone ethyl	X			X	X	X
Chlordane, Cis	X	X	X	X	X	X
Chlordane, trans-	X	X	X	X	X	X
Chlorfenapyr	X	X		X	X	X
Chlorfenson	X	X		X	X	X
Chlorfenvinphos, Cis		X	X	X		X
Chlorfenvinphos, Trans		X	X	X	X	X
Chlorobenzilate		X	X	X	X	X
Chlorothalonil			X			
Chlorpropham	X	X	X	X	X	X
Chlorpyrifos		X	X	X	X	X
Chlorpyrifos - methyl		X	X	X		X
Chlorthiophos 1	X	X		X	X	X
Chlorthiophos 2	X	X	X	X	X	X
Chlorthiophos 3	X	X	X	X	X	X
Clomazone	X	X	X	X	X	X
Coumaphos					X	
Cyfluthrin I to IV					X	
Cyhalothrin, Lambda					X	
Cypermethrin I to IV					X	



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Appendix 1 (Cont'd)

SANTE Group	Feed 3	Feed 4a	Food 5	Feed 5	Feed 6	Feed 7
Matrix Material	Oil	Soya	Wheat	Feed	Premix	Fishmeal
Pesticide						
Coumaphos					X	
Cyfluthrin I to IV					X	
Cyhalothrin, Lambda					X	
Cypermethrin I to IV					X	
Cyprodinil		X	X	X	X	X
DDD, p,p'-	X	X	X	X	X	X
DDD-o,p`	X	X	X	X	X	X
DDE-o,p`	X	X	X	X	X	X
DDE-p,p`	X	X	X	X	X	X
DDT, o,p'-	X	X	X	X	X	X
DDT-p,p`	X	X	X	X	X	X
Deltamethrin					X	
Diazinon		X	X	X	X	X
Dichlobenil	X	X	X	X	X	X
Dicloran	X	X	X	X	X	X
Dieldrin	X	X	X	X	X	X
Diphenamid	X	X	X	X	X	X
Diphenylamine	X		X			
Disulfoton		X	X	X	X	X
Edifenphos		X		X		
Endosulfan I	X	X	X	X	X	X
Endosulfan II	X	X	X	X	X	X
Endosulfan Sulfate	X	X	X	X	X	X
Endrin	X	X	X	X	X	X
EPN				X	X	
Ethion				X	X	
Ethoxyquin	X	X	X	X		X
Fenamiphos		X	X	X	X	X
Fenarimol		X	X	X	X	X
Fenchlorphos (Ronnel)		X	X	X	X	X
Fenitrothion		X	X	X		X
Fenpropathrin	X			X	X	
Fenson	X	X	X	X	X	X



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Matrix Material	Oil	Soya	Wheat	Feed	Premix	Fishmeal
Pesticide						
Fenthion		X	X	X		X
Fenvalerate I					X	
Fenvalerate II					X	
Fipronil	X	X	X	X	X	X
Fluazifop-butyl	X			X	X	
Fludioxonil		X	X	X	X	X
Fluquinconazole		X	X	X	X	X
Flusilazole		X	X	X	X	X
Flutolanil	X	X	X	X	X	X
Fluvalinate, tau-I					X	
Fluvalinate, tau-II					X	
Fonofos		X	X	X	X	X
HCH, alpha-	X	X	X	X	X	X
HCH, beta-	X	X	X	X	X	X
HCH, delta-	X	X	X	X	X	X
HCH, gamma- (Lindane)	X	X	X	X	X	X
Heptachlor	X	X	X	X	X	X
Heptachlor Epoxide	X	X	X	X	X	X
Hexachlorobenzene	X	X	X	X	X	X
Hexazinone		X	X	X	X	X
Iodofenfos		X		X		X
Iprodione	X	X	X	X	X	X
Isazophos		X	X	X	X	X
Isodrin	X	X	X	X	X	X
Lenacil		X	X	X	X	X
Leptophos		X		X	X	
Malathion		X	X	X		X
Metalaxyl		X	X	X	X	X
Metazachlor	X	X	X	X	X	X
Methacrifos		X	X	X	X	X
Methoxychlor				X	X	
Metolachlor	X	X	X	X	X	X
Mevinphos		X	X	X		X



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Appendix 1 (Cont'd)

SANTE Group	Feed 3	Feed 4a	Food 5	Feed 5	Feed 6	Feed 7
Matrix Material	Oil	Soya	Wheat	Feed	Premix	Fishmeal
Pesticide						
Mirex			X		X	
Myclobutanil		X	X	X	X	X
Nitrofen	X	X	X	X	X	X
Oxadiazon	X	X	X	X	X	X
Oxychlorane	X	X	X	X	X	X
Oxyfluorfen	X	X		X	X	X
Paclobutrazol		X	X	X	X	X
Parathion		X	X	X	X	X
Parathion Methyl		X	X	X		X
Penconazole		X	X	X	X	X
Pendimethalin	X	X	X	X	X	X
Pentachloroaniline		X	X	X	X	X
Permethrin Cis					X	
Permethrin Trans					X	
Phenothrin				X	X	
Phorate		X	X	X	X	X
Phosalone				X	X	
Phosmet		X		X		X
Pirimiphos - ethyl		X	X	X	X	X
Pirimiphos - methyl		X	X		X	X
Pretilachlor	X	X	X	X	X	X
Prochloraz					X	
Procymidone	X	X	X	X	X	X
Profenofos		X	X	X		X
Propachlor	X	X	X	X	X	X
Propanil (DCPA)	X	X	X	X	X	X
Propargite				X	X	
Prothiofos		X		X	X	
Pyrazophos					X	
Pyridaben	X				X	
Pyridaphenthion				X		
Pyrimethanil		X	X	X	X	X
Pyriproxyfen	X			X	X	



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Matrix Material	Oil	Soya	Wheat	Feed	Premix	Fishmeal
Pesticide						
Quinalphos		X	X	X	X	X
Quintozene	X	X	X	X	X	X
Sulfotep		X	X	X	X	X
Sulprofos		X		X	X	
Tebuconazole		X		X	X	X
Tebufenpyrad		X		X	X	
Tecnazene	X	X	X	X	X	X
Tefluthrin	X	X	X	X	X	X
Terbacil		X	X	X	X	X
Terbufos		X	X	X	X	X
Terbutylazine	X	X	X	X		X
Tetrachlorvinphos		X	X	X		X
Tetradifon	X	X	X	X	X	X
Tetramethrin I				X	X	
Tetramethrin II		X			X	
Tolclofos - methyl		X	X	X	X	X
Toxaphene Parlar 26	X	X	X	X	X	X
Toxaphene Parlar 50	X	X	X	X	X	X
Toxaphene Parlar 62	X	X	X	X	X	X
Triadimefon		X	X	X	X	X
Triallate			X			
Triazophos				X	X	
Trifluralin	X	X	X	X		X
Vinclozolin	X	X	X	X	X	X