


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>1216</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Reading Scientific Services Ltd</h3> <p>Issue No: 076    Issue date: 16 October 2018</p>	
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<p><b>Testing performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>ANIMAL FEEDING STUFFS FOOD FOOD INGREDIENTS GRAINS</p>	<p><u>Molecular Biology</u></p> <p>Qualitative detection of Genetically Modified DNA from Soya and Maize: Roundup Ready™ Soya Bt-176 Maize Bt-11 Maize MON810 Maize LibertyLink (T25) Maize Starlink Maize NK603 Maize MON863 Maize GA21 Maize CaMV 35S Promoter NOS Terminator BAR gene Cry1A (b) gene</p> <p>Quantitative detection of Genetically Modified DNA from Soya and Maize: Roundup Ready™ Soya Bt-176 Maize Bt-11 Maize MON810 Maize</p> <p>Qualitative Allergen DNA detection</p>	<p>Documented In-House Methods identified by method number</p> <p>TM-1 using extraction, PCR amplification and electrophoresis of DNA</p> <p>TM-2 using CFX-96 Real-Time PCR System</p> <p>SOP 091 Protocol for the Development of Methods using PCR (Polymerase Chain Reaction) under Flexible Scope</p>
<p>FOODS AND FOOD INGREDIENTS ENVIRONMENTAL SWABS, RINSE WATERS, SETTLE PLATES, PURGE SAMPLES</p>	<p>Qualitative Allergen DNA detection</p>	<p>SOP 091 Protocol for the Development of Methods using PCR (Polymerase Chain Reaction) under Flexible Scope</p>



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FOODS AND FOOD INGREDIENTS ENVIRONMENTAL SWABS, RINSE WATERS, SETTLE PLATES, PURGE SAMPLES (cont'd)	<u>Molecular Biology</u> (cont'd) Qualitative Allergen DNA detection including: Almond Brazil nut Cashew Celery Chestnut Crustacean Fish Hazelnut Kiwi Lupin Macadamia Mollusc Mustard Peanut Pecan Pine nut Pistachio Walnut	Documented In-House Methods identified by method number TM-114 using PCR (Polymerase chain reaction)
	MEAT AND MEAT PRODUCTS	Qualitative Animal DNA detection
	Detection of Meat DNA	TM-621 using Realtime PCR (Polymerase chain reaction)
	Porcine (Pork) DNA (Limits of Detection available 1% and 0.1%)	Using Qiagen Mericon Pig Identification Kit
	Caprine (Goat) DNA (Limits of Detection available 1% and 0.1%)	Using Qiagen Mericon Goat Identification Kit
	Bovine (Cattle) DNA (Limits of Detection available 1% and 0.1%)	Using Qiagen Mericon Cattle Identification Kit
	Equine (Horse) DNA (Limits of Detection available 1% and 0.1%)	Using Qiagen Mericon Horse Identification Kit
	Ovine (Sheep) DNA (Limits of Detection available 1% and 0.1%)	Using Qiagen Mericon Sheep Identification Kit
	Galline (Chicken) DNA (Limit of Detection 1%)	Using Qiagen Mericon Chicken Identification Kit



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FOODS AND FOOD INGREDIENTS ENVIRONMENTAL SWABS, RINSE WATERS, SETTLE PLATES, PURGE SAMPLES	<u>Chemical Tests</u>	Documented In-House Methods identified by method number
	Quantitative Allergen detection of proteins	SOP 089 Protocol for the Development of Methods using ELISA under Flexible Scope
MILK, MILK BASED PRODUCTS, FATS and OILS	Quantitative Allergen detection of proteins including allergens:	TM-311 using Enzyme Linked Immunosorbent Assay (ELISA) kit methods, Kits used as identified below;
	Egg Casein Gluten Peanut Almond  Hazelnut Beta-lactoglobulin Sesame Soya Total milk	Morinaga kit Neogen Veratox & Morinaga kit R-Biopharm kit ELISA Systems kit Neogen Veratox kit & ELISA System ELISA Systems kit R-Biopharm kit R-Biopharm kit ELISA Systems R-Biopharm
FOOD AND FOOD PRODUCTS	Vitamin D <sub>3</sub>	TM-158 using HPLC
BEVERAGES	Fatty Acids Composition Saturates Mono-unsaturates Poly-unsaturates Trans fatty acids Omega-3 Fatty Acids Omega-6 Fatty Acids	TM-112 based on AOAC 969.33
	Acesulfame-K Aspartame Benzoate Caffeine Quinine Saccharin Sorbate  Benzoate Sorbate  Vitamin C (by reduction)	TM-146 using HPLC             TM-147 by HPLC    TM-152 using HPLC



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Water, Beverages and Candy SOFT DRINKS BISCUITS UNSPECIFIED FOODS	<u>Chemical Tests</u> (cont'd)	Documented In-House Methods identified by method number
	Total Sulphur dioxide	TM-610, by Monier- Williams
	Vitamins B <sub>1</sub> , B <sub>2</sub> , B <sub>3</sub> , B <sub>5</sub> and B <sub>6</sub>	TM-153 using HPLC
	Determination of Acrylamide	TM-647 using LC-MS/MS
	Ash	TM-207 using muffle oven
Food and Nutraceutical Products	Calcium, Magnesium, Potassium, Sodium	TM-200 using Atomic Absorption Spectroscopy (AAS)
	Aluminium, Antimony, Arsenic, Barium, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Mercury, Molybdenum, Nickel, Tin, Thallium, Zinc	TM-201 using microwave digestion procedure TM-205 with Inductively Coupled Plasma/Mass Spectrometry (ICP/MS)
	Total Iodine	TM-694 using thermal extraction followed by Inductively Couple Plasma/Mass Spectrometry (ICP/MS)
FOREIGN BODIES and MATERIAL EXTRACTED from FOODS  GLASS FOREIGN BODIES AND MATERIALS	<u>Physical Tests</u>	Documented In-House Methods identified by method number
	Dimensions	TM-237
	Weight	TM-238
	Elemental composition glass type	TM-236 using Energy Dispersive X-Ray Micro-fluorescence
END		