

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Cardiff Scientific Services</h3> <p>Issue No: 016 Issue date: 15 April 2011</p>	
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<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
FOODS, General	<p><u>Chemical Tests</u></p> <p>Additives, colourings, preservatives and related contaminants, food compositions</p>	Generic In-House Method IHP/001 for the development or modification of methods for food analysis using the techniques HPLC coupled with refractive index, UV/VIS, diode array or Fluorescence detection, GC coupled with FID, ECD, TSD or TCD detection, Flame AAS, UV/Vis Spectrophotometry and Microscopy
	Acidity (total)	Documented In-House Method IHF038 using Alkaline Titration
	Ash	Documented In-House Method IHF035 using ashing and gravimetric weighing
	Artificial colouring matter (quantitative)	Documented In-House Method IHF010 using HPLC
	Artificial colouring matter (qualitative)	Documented In-House Method IHF135
	Benzoic Acid Sorbic Acid	Documented In-House Method IHF290
	Cadmium Lead	Documented In-House Method IHF047
	Calcium	Documented In-House Method IHF044 using Flame AAS



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FOODS, General (cont'd)	<u>Chemical Tests</u> (cont'd)	
	Chloride	Documented In-House Method IHF046
	Chloride	Documented In-House Method IHF301
	Copper Iron Zinc	Documented In-House Method IHF003 using Atomic Absorption Spectrometry
	Fat	Documented In-House Method IHF045 by Acid Digestion
	Moisture	Documented In-House Method IHF036 using oven drying
	Nitrate Nitrite	Documented In-House Method IHF009 using HPLC
	Nitrogen	Documented In-House Method IHF012 using Kjeldahl digestion
	Solid (total)	Documented In-House Method IHF031 using vacuum oven
	Sodium	Documented In-House Method IHF054
	Sulphur Dioxide	Documented In-House Method IHF246
	Sugar	Documented In-House Method IHF004 using HPLC
	Total Dietary Fibre	IHF081 based on AOAC dietary fibre method 991.43 Documented In-House Method IHF086 using Englyst method



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FOODS, General (cont'd)	<u>Chemical Tests</u> (cont'd)	
Alcoholic Beverages (including low alcoholic beverages)	Alcohol content	Documented In-House Method IHF007 using Gay-Lussac pyknometer
	Alcohol content	Documented In-House Method IHF008 using Gas Chromatography
White Alcoholic Spirits (gin, vodka, white rum)	Sugars	Documented In-House Method IHF027 using HPLC
Non-alcoholic beverages Fruit juices and fruit juice products	Vitamin C	Documented in-house Method IHF032 using Iodine Titration
COOKING AND SEASONING SAUCES - Soy Sauce	3-monochloropropane-1,2-diol	Documented In-House Method IHF042 using GCMS
Dairy Products	n-butyric acid	Documented In-House Method IHF289
Fats and Oils	Fatty Acids	Documented In-House Method IHF001 using Gas Chromatography
Fats and Oils	Free Fatty Acids	Documented In-House Method IHF051
	Peroxide Value	Documented In-House Method IHF050
Flesh Foods	Total Volatile Nitrogen	Documented In-House Method IHF157
Herbs and spices	Microscopical examination and identification	Documented In-House IHF011 based on APA VEMS F/0224
Meat and Meat Products	Fat	Documented In-House Method IHF045
	Hydroxyproline	Documented In-House Method IHF092
	Identification of meat species (qualitative) beef, pork, poultry, sheep	Documented In-House Method IHF005 using Tepnel Biosystems Biokits



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FOODS, General (cont'd)	<u>Chemical Tests</u> (cont'd)	
Milk	Acidity	Documented In-House Method IHF055
Milk	Fat	Documented In-House Method IHF048
	Freezing Point	Documented In-House Method IHF147 using Thermister Cryoscope
Soft Drinks	Acesulfam-k Saccharin Benzoic Acid Sorbic Acid Caffeine	Documented In-House Method IHF002 using HPLC
	Artificial Colouring matter	Documented In-House Method IHF010 using HPLC
Sugar Products	Sugars	Documented In-House Method IHF004 using HPLC
FOODS AND ANIMAL FEEDING STUFFS - dried fruits - herbs and spices - grains and seeds - nuts and nut products - compound feedingstuffs	<u>Chemical Tests</u> Aflatoxins B ₁ , B ₂ , G ₁ , G ₂ , and total aflatoxins	Documented In-House Methods IHF006 using immuno affinity column clean up followed by HPLC/ fluorescence detection
	<u>END</u>	