


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>UKAS TESTING 1102</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Government Analysts Laboratory</h3> <p>Issue No: 22    Issue date: 21 March 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
ALCOHOLIC BEVERAGES	<p><u>Chemical Tests</u></p> <p>Alcoholic strength</p>	<p>Documented In-House Method No 048 based on BS 733:Part 2:1987 and ISO 3507:1999 using density, obscuration</p>
FOODS AND FOOD PRODUCTS Unspecified	<p><u>Microbiological Tests</u></p> <p>Enumeration:</p> <p>Coliforms, confirmed</p> <p><i>Escherichia coli</i>, presumptive</p> <p><i>Pseudomonas</i> spp</p> <p><i>Staphylococcus aureus</i></p> <p>Total aerobic organisms at 30°C</p>	<p>Documented In-House Methods based on British Standards</p> <p>Method No M2 based on BS 5763-3 :1991 using Multiple Tube</p> <p>Method No M3 based on ISO 7251:2005 using Multiple Tube</p> <p>Method No M27 based on BS 7857-1:1996 using Plate Count with Colony Confirmation</p> <p>Method No M13 based on BS EN ISO 6888-1:1999 using Plate Count with Colony Confirmation</p> <p>Method No M1 based on BS EN ISO 4833:2003 using Plate Count</p>



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FOODS AND FOOD PRODUCTS Unspecified (cont'd)	<u>Microbiological Tests</u> (cont'd)  Detection:  <i>Escherichia coli</i> O157:H7	Method No M26 based on BS EN ISO 16654:2001 (presence/absence in 25g)  Documented In-House Method No M25 using the 20 hour Reveal method
DAIRY PRODUCTS Unspecified	<u>Microbiological Tests</u>  Enumeration:  Coliforms, confirmed  <i>Escherichia coli</i> , presumptive  Total aerobic organisms at 21°C with pre-incubation at 6°C for 5 days  Total aerobic organisms at 30°C	Documented In-House Methods based on British Standards  Method No M5 based on BS 4285:Section 3.7:1987 using Multiple Tube or Plate Count  Method No M6 based on ISO 7251:2005 using Multiple Tube  Method No M4 based on BS 4285:Section 2.1:1984 using Plate Count
DAIRY PRODUCTS  Cheese	<u>Chemical Tests</u>  Fat    Nitrogen	Documented In-House Method No 005 based on ISO 1735:2004 using Acid hydrolysis/solvent extraction/gravimetric weighing  Documented In-House Method No 004 based on BS 770:Part 8:1987 using Kjeldahl digestion
Cream	Fat	Documented In-House Method No 002 based on IDF 16C:1987 using Alkaline hydrolysis/solvent extraction/gravimetric weighing



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DAIRY PRODUCTS (cont'd)	<u>Chemical Tests</u> (cont'd)	
Cream (cont'd)	Total Solids	Documented In-House Method No 001 based on IDF 21B:1987 using Oven drying followed by gravimetric weighing
Ice Cream	Fat	Documented In-House Method No 003 based on BS EN ISO 7328:2000 using Alkaline hydrolysis/solvent extraction/gravimetric weighing
	Total Solids	Documented In-House Method No 006 based on BS 2472:1966 using Oven drying followed by gravimetric weighing
Milk	Acidity	Documented In-House Method No 020 based on BS 1741:Section 10.1:1989 using Titration
	Antibiotics	Documented In-House Method No 016 based on Technical data sheet, Delvotest SP™ Gist-Brocades NV using Colorimetric bacteria inhibition
	Fat	Documented In-House Method No 010 based on IDF 1D:1996 using Alkaline hydrolysis/solvent extraction/gravimetric weighing
	Fat	Documented In-House Method No 011 based on BS 696:Parts 1:1989 using Gerber, acid hydrolysis
	Freezing Point Depression	Documented In-House Method No 019 based on ISO 5764:2002 [IDF 108:2002] using Cryoscope
	Phosphatase	Documented In-House Method No M10 based on SI 1989/2383 Schedule 5, Part IV using Colorimetry



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DAIRY PRODUCTS (cont'd)	<u>Chemical Tests</u> (cont'd)	
Milk (cont'd)	Total Solids	Documented In-House Method No 009 based on IDF 21B:1987 using Oven drying followed by gravimetric weighing
MEAT AND MEAT PRODUCTS	<u>Chemical Tests</u>	
	Ash	Documented In-House Method No 012 based on BS 4401-1:1998 using ashing followed by gravimetric weighing
	Fat	Documented In-House Method No 014 based on BS 4401:Part 4:1970 using Acid hydrolysis/solvent extraction/ gravimetric weighing
	Hydroxyproline	Documented In-House Method No 081 based on BS 4401-11:1995 using microwave digestion followed by UV-visible spectrophotometry
	Moisture	Documented In-House Method No 013 based on BS 4401-3:1997 using Oven drying followed by gravimetric weighing
	Nitrogen	Documented In-House Method No 015 based on BS 4401:Part 2:1980 using Kjeldahl digestion, copper catalyst
SHELLFISH	<u>Chemical Tests</u>	
	Amnesic Shellfish Poisoning Toxin - Domoic Acid	Documented In-House Method No 184 based on NRC of Canada recommended procedure using Solvent extraction followed by HPLC
		Documented In-House Method No 197 using LC/MS/MS



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WATERS  Potable, Surface and Ground	<u>Chemical Tests and Physical Tests</u>	Documented In-House Methods based on procedures in the HMSO Portable series "Method for the Examination of Waters and Associated Materials", specified by ISBN and by year of publication
	Alkalinity (total)	In-House Method No 028 ISBN 011 751 601 5, 1981, using titrimetry
	Ammonium	1) In-House Method No 038 ISBN 011 752 331 3, 1990 using Ion chromatography  2) In-House Method No 031 ISBN 011 751 613 9, 1981, filtration/colorimetric
	Calcium	In-House Method No 038 ISBN 011 752 331 3, 1990 using Ion chromatography
	Chloride	In-House Method No 032 ISBN 011 752 331 3, 1990 using Ion chromatography
	Free Chlorine	In-House Method No 040 using HACH test kit using Colorimetric
	Conductivity	In-House Method No 027 ISBN 011 751 428 4, 1978 using Potentiometric
	Magnesium	In-House Method No 038 ISBN 011 752 331 3, 1990 using Ion chromatography
	Nitrate	In-House Method No 032 ISBN 011 752 331 3, 1990 using Ion chromatography
	Nitrite	In-House Method No 032 ISBN 011 752 331 3, 1990 using Ion chromatography
pH	In-House Method No 021 ISBN 011 752 084 5, 1988 using Potentiometric	



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WATERS (cont'd)	<u>Chemical Tests and Physical Tests</u> (cont'd)	
Potable, Surface and Ground (cont'd)	Phosphate	In-House Method No 032 using Ion chromatography
	Potassium	In-House Method No 038 ISBN 011 752 331 3, 1990 using Ion chromatography
	Sodium	In-House Method No 038 ISBN 011 752 331 3, 1990 using Ion chromatography
	Sulphate	In-House Method No 032 ISBN 011 752 331 3, 1990 using Ion chromatography
	Aluminium, Cadmium, Chromium, Copper, Iron, Lead, Manganese, Nickel and Zinc	Documented In-House Method No 196 using ICP-OES based on instrument manufacturer procedures
WATERS	<u>Microbiological Tests</u>	Documented In-House Methods based on The Microbiology of Drinking Water (2002)
	Enumeration:	
	Coliforms, confirmed	Method No M 20 using Colilert™ using MPN
	Enterococci	Documented in-house method No. M22 using membrane filtration
	<i>Escherichia coli</i> , presumptive	Method No M20 using Colilert™ using MPN
	Total aerobic organisms at 22 °C and 37 °C	Method No M9 using Plate count



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WATERS (cont'd)	<u>Chemical Tests and Physical Tests</u> (cont'd)	
Surface and Ground	Biological oxygen demand	1) In-House Method No 024 and No 026 ISBN 011 752 212 0, 1989 using Winkler iodometric
	Fluoride	2) In-House Method No 025 ISBN 011 752 212 0, 1989 oxygen probe with and without ATU suppression
	Suspended solids	In-House Method No 032 using Ion Chromatography
Marine and saline water	Ammonia, Nitrate, Nitrite, Phosphate, Silicate	In-House Method No 050 ISBN 011 751 787 9, 1984, filtration/gravimetric weighing
WASTE WATERS	<u>Chemical Tests and Physical Tests</u>	In-House Method No 198 using automated Segmented Flow Analysis
Untreated and Treated Trade and Domestic Effluents		Documented In-House Methods based on procedures in the HMSO Potable series "Methods for the Examination of Waters and Associated Materials", specified by ISBN and by year of publication
	Alkalinity (total)	In-House Method No 028 ISBN 011 751 601 5, 1981, using titrimetry
	Ammonium	In-House Method No 031 ISBN 011 751 613 9, 1981, filtration/colorimetric
	Biological Oxygen Demand	1) In-House Method No 024 and No 026 ISBN 011 752 212 0, 1989 using Winkler iodometric
		2) In-House Method No 025 ISBN 011 752 212 0, 1989, using oxygen probe with/without ATU suppression



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<p>WASTE WATERS</p> <p>Untreated and Treated Trade and Domestic Effluents (cont'd)</p>	<p><u>Chemical Tests and Physical Tests</u> (cont'd)</p> <p>Conductivity</p> <p>pH</p> <p>Suspended solids</p>	<p>In-House Method No 027 ISBN 011 751 428 4, 1978 using Potentiometric</p> <p>In-House Method No 021 ISBN 011 752 084 5, 1988 using Potentiometric</p> <p>In-House Method No 050 ISBN 011 751 787 9, 1984, filtration/gravimetric weighing</p>
END		