


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>	Microsearch Laboratories Ltd	
	Issue No: 024 Issue date: 17 June 2010	
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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
FOODS and FOOD PRODUCTS	<u>Microbiological Testing</u> Enumeration: Anaerobic Colony Count Anaerobic Sulphite-Reducing bacteria <i>Bacillus cereus</i> , presumptive <i>Campylobacter spp</i> <i>Clostridium perfringens</i> , confirmed Coliforms, presumptive <i>Escherichia coli</i> (Beta glucuronidase positive) <i>Escherichia coli</i>	Documented In-House Methods: TP 4101 using RCA at 30 °C TP 4117 based on BS ISO 15213:2003 TP 4108 based on BS EN ISO 7932:2004 TP 4129 using Brilliance chromogenic agar TP 4105 based on BS EN ISO 7937:2004 1) TP 4102 based on BS ISO 4832:2006 2) TP 4146 based on BS ISO 4832:2006 using spiral plate technology TP 4133 based on BS ISO 16649-2:2001 using TBX agar MS 4001 using membranes based on BS ISO 16649-1:2001



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FOODS and FOOD PRODUCTS (cont'd)	<u>Microbiological Testing</u> (cont'd)	Documented In-House Methods:
	Enumeration: (cont'd)	
	Enterobacteriaceae, presumptive	1) TP 4103 based on BS ISO 21528-2:2004
		2) TP 4147 based on BS ISO 21528-2:2004 using spiral plate technology
	Faecal streptococci, presumptive	TP 4107 based on BS 4285-3.11 (1985)
	Lactic acid bacteria, presumptive	1) TP 4114 based on BS ISO 15214:1998
		2) TP 4149 based on BS ISO 15214:1998 using spiral plate technology
	<i>Listeria monocytogenes</i> , enumeration	TP 4152 based on ISO 11290-2:1998:A1
(products with Aw >0.95)	Moulds	TP4109 based on BS ISO 21527-1:2008
(products with Aw ≤0.95)	Moulds	TP4112 based on BS ISO 21527-2:2008
	<i>Pseudomonas</i> spp, presumptive and/or confirmed	TP 4115 based on BS 7857-1 (1996)
	<i>Pseudomonas</i> spp, presumptive and/or confirmed	TP 4150 based on BS 7857-1 (1996) using spiral plate technology
	<i>Staphylococcus aureus</i> , confirmed	TP 4106 based on ISO 6888-1:1999
	Total aerobic colony count at 30 °C	1) TP 4100 based on BS EN ISO 4833:2003
		2) TP 4145 based on BS EN ISO 4833:2003 using spiral plate technology



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FOODS and FOOD PRODUCTS (cont'd)	<u>Microbiological Testing</u> (cont'd)	
(products with Aw >0.95)	Enumeration: (cont'd) Yeasts	TP4109 based on BS ISO 21527-1:2008
(products with Aw >0.95)	Yeasts	TP4148 based on BS ISO 21527-1:2008 using spiral plating
(products with Aw =/<0.95)	Yeasts	TP4112 based on BS ISO 21527-2:2008
Cream and Shellfish	<i>Escherichia coli</i> (Beta glucuronidase positive) Detection:	TP 4121 MPN using MMG broth
	Campylobacter spp	TP 4128 based on BS EN ISO 10272-1:2006
	<i>Salmonella</i> spp, confirmed Identified to group level	TP 4119 based on EN ISO 6579:2002
	<i>Salmonella</i> spp (motile), confirmed Identified to group level	TP 4120 based on AOAC 993.07 (1993) using MSRV agar
	<i>Listeria monocytogenes</i> , confirmed	TP 4141 using selective enrichment and ALOA agar with confirmation by biochemical profiling
	<i>Listeria</i> spp, confirmed	TP 4151 based on ISO 11290:1:1997 A1
	<i>Escherichia coli</i> , confirmed	TP 4122 based on BS ISO 7251:2005
	<i>Escherichia coli</i> O157 (presumptive)	TP 4131 using selective enrichment and IMS based on BS EN ISO 16654:2001
	<i>Escherichia coli</i> O157 (presumptive)	TP 4158 based on AOAC 2000.14 (Singlepath E coli O157 GLISA)
Dairy products, infant feeds and components	<i>Cronobacter sakazakii</i> (<i>Enterobacter sakazakii</i>)	TP 4118 based on ISO/TS 22964:2006



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<p>FOODS and FOOD PRODUCTS (cont'd)</p> <p>Meat and Meat products</p> <p>Animal Feeding Stuffs</p> <p>Animal Feeding Stuffs</p> <p>WATER (Potable)</p>	<p><u>Microbiological Testing</u> (cont'd)</p> <p>Enumeration:</p> <p>Total aerobic colony count at 30 °C</p> <p>Detection:</p> <p><i>Salmonella</i> spp, confirmed Identified to group level</p> <p>Enumeration:</p> <p><i>Clostridium perfringens</i>, confirmed</p> <p>Enterobacteriaceae, presumptive</p> <p><u>Microbiological Testing</u></p> <p>Enumeration:</p> <p>Total colony count at 22 °C and 37 °C</p> <p>Enumeration and Detection:</p> <p>Coliforms and <i>Escherichia coli</i></p> <p><i>Clostridium perfringens</i> and sulphite reducing clostridia</p> <p>Enterococci</p>	<p>TP 4110 based on BS EN ISO 4833:2003 with 48 hrs incubation</p> <p>TP 4119 based on EN ISO 6579:2002</p> <p>TP 4105 based on BS EN ISO 7937:2004</p> <p>TP 4103 based on BS ISO 21528-2:2004</p> <p>TP 4135 using yeast extract agar based on 'The Microbiology of Drinking Water, Part 7 (2007)'</p> <p>TP 4136 using enumeration by Quantitray (IDEXX) based on 'The Microbiology of Drinking Water, Part 4 (2009)'</p> <p>TP 4143 based on 'The Microbiology of Drinking Water, Part 6 (2009)'</p> <p>TP 4137 based on 'The Microbiology of Drinking Water, Part 5 (2006)'</p>



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ENVIRONMENTAL SWABS	<u>Microbiological Testing</u> Detection: Campylobacter spp <i>Salmonella</i> spp, confirmed Identified to group level <i>Salmonella</i> spp (motile), confirmed Identified to group level <i>Listeria monocytogenes</i> , confirmed <i>Listeria</i> spp, confirmed <i>Escherichia coli</i> , confirmed Enumeration: <i>Bacillus cereus</i> , presumptive Total aerobic colony count at 30°C Coliforms, presumptive Enterobacteriaceae, presumptive	TP 4128 based on BS EN ISO 10272-1:2006 TP 4119 based on EN ISO 6579:2002 TP 4120 based on AOAC 993.07 (1993) TP 4141 using selective enrichment and ALOA agar with confirmation by biochemical profiling TP 4151 based on ISO 11290:1:1997 A1 TP 4122 based on BS ISO 7251:2005 TP 4108 based on BS EN ISO 7932:2004 1) TP 4100 based on BS EN ISO 4833:2003 2) TP 4145 based on BS EN ISO 4833:2003 using spiral plate technology 1) TP 4102 based on BS ISO 4832:2006 2) TP 4146 based on BS ISO 4832:2006 1) TP 4103 based on BS ISO 21528-2:2004 2) TP 4147 based on BS ISO 21528-2:2004 using spiral plate technology



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ENVIRONMENTAL SWABS (cont'd)	<u>Microbiological Testing</u> (cont'd)	
	Enumeration: (cont'd)	
	<i>Escherichia coli</i> (Beta glucuronidase positive)	TP 4133 based on BS ISO 16649-2:2001 using TBX agar
	<i>Staphylococcus aureus</i> , confirmed	TP 4106 based on ISO 6888-1:1999
	<i>Listeria</i> spp, confirmed	TP 4152 based on ISO 11290-2:1998:A1
FOODS AND FOODSTUFFS (unspecified)	<u>Chemical Analysis</u>	Documented In-House Methods
	Ash	CH 4006 based on BS 4401:Part 1:1998
	Casein 0.5- 13.5ppm	MBP 4015 ELISA immunoassay using R-Biopharm kit
	Dietary Fibre	CH 4009 based on AOAC 985.29 1986
	Fat (Total)	CH 4005 based on BS 4401:Part 4:1970
	Fat (free)	CH 4022 based on BS 4401:Part 4:1970, Method A
	Fat (by acid hydrolysis)	CH 4031 based on BS 4401:Part 4:1970
	Fatty Acid Profile	CH 4029/4030 based on ISO 5508 1995 & ISO 5509:2001
	Gluten > 5 ppm	MBP 4013 ELISA immunoassay using R-Biopharm kit
	Hydroxyproline	CH 4060 based on BS 4401:Part 11:1995
	Moisture	CH 4021 based on BS 4401:Part 3:1997 (without sand)
	Moisture	CH 4004 based on BS 4401:Part 3:1997 (with sand)



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FOODS AND FOODSTUFFS (unspecified) (cont'd)	<u>Chemical Analysis</u> (cont'd)	Documented In-House Methods
	Moisture	CH 4026 based on BS 5766:Part 8:1983 using vacuum oven
	Nitrogen	CH 4003 based on BS 4401:Part 2:1980
	Protein	CH 4028 based on BS EN ISO 14891:2002 using DUMAS
	Salt	CH 4010 based on BS 4401:Part 3:1970
	Sodium	CH 4011 based on EEC/71/250 using flame photometry
	Sugars	CH 4008 based on Pearsons 9 th Edition: Luff School
	Carbohydrate by difference	CH 4902
	Energy by calculation	CH 4903
Meat content by calculation	CH 4904	
	END	