

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>	Microtech Services (Wessex) Ltd	
	Issue No: 015 Issue date: 13 April 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
COSMETICS	<u>Microbiological Testing</u> Enumeration: Aerobic plate count at 30°C, 22°C and 37°C Coagulase positive Staphylococci Yeasts and Moulds <i>Pseudomonas aeruginosa</i>	Documented In-House Methods: 1) A:2b based on BS 5763-5 (1981) by surface spread method 2) A:2c by surface drop method A:5a based on ISO 6888-1 (1999) A:8a by surface spread using OGYE A:22 using CN agar at 41.5°C following resuscitation at 30°C
ENVIRONMENTAL SWABS, FOOD and FOOD PRODUCTS	<u>Microbiological Testing</u> Detection: Coliforms and <i>Escherichia coli</i> Enterobacteriaceae <i>Listeria spp</i> <i>Pseudomonas spp</i>	Documented In-House Methods: A:4c based on ISO 4831 (2004) and ISO 7251 (2005) by presence/absence A:6c by surface spread using VRBGA. Confirmation using oxidase and glucose fermentation In- House Method A:10a based on ISO 11290-1:1996 (obsolete) with isolation on Oxford agar A:22 based on BS 7857-1 (1996)



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ENVIRONMENTAL SWABS, FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiological Testing</u> (cont'd)	
	<i>Pseudomonas aeruginosa</i>	A:22 by enrichment in tryptone soya broth followed by subculture to CN agar and incubation at 41.5°C
	<i>Salmonella</i> spp	A:13a based on ISO 6579:2002
	Coagulase positive Staphylococci and other <i>Staphylococcus</i> species	A:5c based on BS EN ISO 6888-3(2003) by presence/absence
	Enumeration: Total aerobic colony count at 30°C, 22°C and 37°C	1) A:2b based on BS 5763-5 (1981) by surface spread method 2) A:2c by surface drop method
	<i>Bacillus cereus</i> and/or <i>Bacillus</i> spp recovered	A:11a by surface enumeration on PEMBA agar incubated at 30°C
	<i>Clostridium perfringens</i> and other sulphite reducing clostridia	A:7c based on ISO 7937:2004
	Coliforms and <i>Escherichia coli</i>	A:4c based on ISO 4831 (2004) and ISO 7251 (2005) by most probable number
	Enterobacteriaceae	1) A:6b by surface spread using VRBGA. Confirmation using oxidase and glucose fermentation 2) A:6c based on ISO 21528-1, 2004 by most probable number
β -glucuronidase positive <i>Escherichia coli</i>	1) In-House Method A:4a based on Health Protection Agency method F20 2) In-House Method A:4d using surface enumeration on TBX agar at 37°C	



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ENVIRONMENTAL SWABS, FOOD and FOOD PRODUCTS (cont'd)	<u>Microbiological Testing</u> (cont'd) Faecal Streptococci /Enterococci Lactic acid bacteria Lactic acid bacteria including bifidobacteria <i>Listeria</i> spp <i>Pseudomonas</i> spp Coagulase positive Staphylococci Yeasts and Moulds Identification: <i>Listeria</i> spp	A:9a by surface spread method, based on BS 4285-2.11 (1985) A:19 using MRS agar and 0.05% cysteine (pH 6.2) and microaerobic incubation at 30°C A:21 using MRS agar and 0.05% cysteine (pH 6.2) and anaerobic incubation at 37°C Differential count based on colonial and cellular morphology and on the absence of aerobic growth In-House Method A:10a using Oxford agar at 30°C A:22 based on BS 7857-1 (1996) A:5a based on ISO 6888-1 (1999) A:8a by surface enumeration on DGC agar incubated at 25°C A:10a based on 'Practical Food Microbiology', Section 6.10, Blackwell Publishing (2003)
PROBIOTICS and FOOD ADDITIVES	<u>Microbiological Testing</u> Enumeration: Lactic acid bacteria Lactic acid bacteria including bifidobacteria	A:19 using MRS agar and 0.05% cysteine (pH 6.2) and microaerobic incubation at 37°C A:21 using MRS agar and 0.05% cysteine (pH 6.2) and anaerobic incubation at 37°C Differential count based on colonial and cellular morphology and on the absence of aerobic growth



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PROBIOTICS and FOOD ADDITIVES (cont'd)	<u>Microbiological Testing</u> Enumeration: Streptococci/enterococci	A:16a based on BS 4285-3.11 (1985)
SETTLE PLATES	Total Aerobic Colony count	1) A:2h / A:2b using TSA 2) A:2h / A:2e using SMA/BA
	Yeasts and moulds	A:2h / A:8a using DGC agar
	Enterococci	A:2h / A:9a using KF agar
WATERS	<u>Microbiological Testing</u>	Documented In-House Methods
Piped water supplies /Potable including bottled water, Natural (including surface waters), Swimming Pool and Sea Waters	Enumeration of: Coliforms and <i>Escherichia coli</i>	A:4f, by membrane filtration based on MDW, Part 4, (2009)
	Total aerobic colony count	1) A:2a, by pour plate based on MDW, Part 7, (2007) 2) A:2c, by surface drop
	Enterococci	A:9d by membrane filtration using KF Streptococcus agar based on MDW, Part 6, (2006)
	<i>Pseudomonas aeruginosa</i>	Documented In-house method A:22, using CN agar at 41.5°C following resuscitation at 30°C based on MDW, Part 8, (2002)
	Detection and Enumeration of <i>Legionella</i> spp	A:20 based on BS 6068-4.12 (1998)
	Identification of <i>Legionella pneumophila</i> , Serogroups 1 and 2-14	C10 using commercial agglutination kit
Piped water supplies/Potable	Enumeration of: <i>Pseudomonas</i> spp	A:22 by membrane filtration using CFC agar at 25°C



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RINSE WATERS (for bottles)	<u>Microbiological Testing</u> Enumeration of: Coliforms Total aerobic colony count Enterococci	Documented In-House Methods A:2g and A:4f by membrane filtration based on MDW, Part 4, (2009) A:2g and A:2a, by membrane filtration and surface enumeration using yeast extract agar A:2g and A:9d by membrane filtration using KF Streptococcus agar based on MDW, Part 6, (2006)
SWABS (including swabs of bottle caps)	Detection and Enumeration of: <i>Legionella</i> spp Identification of <i>Legionella pneumophila</i> , Serogroups 1 and 2-14 Detection and enumeration of coliforms Detection and enumeration of Enterococci	<div style="display: flex; align-items: center;"> <div style="border-left: 1px solid black; border-right: 1px solid black; height: 40px; margin-right: 5px;"></div> <div style="margin-left: 5px;">A:2g and A:20 based on BS 6068-4.12 (1998)</div> </div> In house method A:4c using lauryl tryptose broth based on ISO 4831 (2004) In house method A:9d by membrane filtration using KF streptococcus agar
END		