

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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



1899

Accredited to  
ISO/IEC 17025:2017

### Microtech Services (Wessex) Ltd

Issue No: 024 Issue date: 12 March 2021

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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>	Documented In-House Methods:
	Enumeration:  Total Aerobic Colony Count at 30°C	1) A:2b based on ISO 4833-2:2013 by surface spread method  2) A:2c based on ISO 4833-2:2013 by surface drop method
ANIMAL FEEDS, ENVIRONMENTAL SWABS, FOOD and FOOD PRODUCTS, PROBIOTICS	Total Aerobic Colony Count at 22°C and 37°C	1) A:2b using Plate Count Agar by surface spread method  2) A:2c using Plate Count Agar by surface drop method
	Coagulase positive Staphylococci	A:5a based on ISO 6888-1:1999 Amd 2:2018
	Yeasts and Moulds	A:8a by surface spread using OGYE at 25°C
	<i>Pseudomonas aeruginosa</i>	A:22 using CN agar at 41.5°C following resuscitation at 30°C
	<u>Microbiological Testing</u>	Documented In-House Methods:
	Detection:  Coliforms and <i>Escherichia coli</i>	A:4c based on ISO 4831:2006 and ISO 7251:2005
	Enterobacteriaceae	A:6c based on ISO 21528-1: 2017.



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ANIMAL FEEDS, ENVIRONMENTAL SWABS, FOOD and FOOD PRODUCTS, PROBIOTICS (cont'd)	<u>Microbiological Testing</u> (cont'd)  Detection: (cont'd)  <i>Listeria</i> spp  <i>Pseudomonas</i> spp  <i>Pseudomonas aeruginosa</i>  <i>Salmonella</i> spp  Coagulase positive Staphylococci and other <i>Staphylococcus</i> species  Enumeration:  Total Aerobic Colony Count at 30°C  Total Aerobic Colony Count at 22°C and 37°C  <i>Bacillus cereus</i> and/or <i>Bacillus</i> spp recovered  <i>Clostridium perfringens</i> and other sulphite reducing clostridia  Coliforms and <i>Escherichia coli</i>	In- House Method A:10a based on ISO 11290-1:2017 with isolation on Brilliance <i>Listeria</i> agar at 37°C and Oxford agar at 30°C  A:22 by enrichment in Tryptone Soya Broth followed by subculture to CFC and incubation at 25°C  A:22 by enrichment in Tryptone Soya Broth followed by subculture to CN agar and incubation at 41.5°C  A:13a based on BS EN ISO 6579- 1:2017 Amd 1:2020  A:5c based on BS EN ISO 6888-3:2003  1) A:2b based on ISO 4833-2:2013 by surface spread method  2) A:2c based on ISO 4833-2:2013 by surface drop method  1) A:2b using Plate Count Agar by surface spread method  2) A:2c using Plate Count Agar by surface drop method  A:11a by surface enumeration on PEMBA agar incubated at 30°C  A:7c based on ISO 7937:2004  A:4c based on ISO 4831:2006 and ISO 7251:2005 by most probable number



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	Enumeration: (cont'd)	
	Enterobacteriaceae	1) A:6b by surface spread using VRBGA. Confirmation using oxidase and glucose fermentation  2) A:6c based on ISO 21528-1:2017 by most probable number
	$\beta$ -glucuronidase positive <i>Escherichia coli</i>	1) In-House Method A:4a using surface enumeration on TBX agar with pre-incubation at 30°C followed by incubation at 44°C  2) In-House Method A:4d using surface enumeration on TBX agar at 37°C
	Faecal Streptococci /Enterococci	A:9a by surface spread method, based on BS 4285-2.11:1985
	Lactic acid bacteria	A:19 using MRS agar and 0.05% cysteine (pH 6.2) and microaerobic incubation at 30°C
	Lactic acid bacteria including bifidobacteria	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
	<i>Listeria</i> spp	A:10a based on ISO 11290-2:2017 using Brilliance Listeria agar at 37°C and Oxford agar at 30°C
	<i>Pseudomonas</i> spp	A:22 based on BS 7857-1:1996
	Coagulase positive Staphylococci	A:5a based on ISO 6888-1:1999 Amd 2:2018
Yeasts and Moulds	A:8a by surface enumeration on DGC or OGYE agar incubated at 25°C	



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ANIMAL FEEDS, ENVIRONMENTAL SWABS, FOOD and FOOD PRODUCTS, PROBIOTICS (cont'd)	<u>Microbiological Testing</u> (cont'd)  Identification:  <i>Listeria</i> spp	A:10a based on 'Practical Food Microbiology', Section 6.10, Blackwell Publishing (2003)
PROBIOTICS	Streptococci/enterococci	A:16a based on BS 4285-3.11:1985
FOOD ADDITIVES	<u>Microbiological Testing</u>  Enumeration:  Lactic acid bacteria	A:19 using MRS agar and 0.05% cysteine (pH 6.2) and microaerobic incubation at 37°C
	Lactic acid bacteria including bifidobacteria	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
	Streptococci/enterococci	A:16a based on BS 4285-3.11:1985
	Yeasts and moulds	A:8a by surface enumeration on DGC or OGYE agar incubated at 25°C
SETTLE PLATES	Total Aerobic Colony count	1) A:2h / A:2b using PCA 2) A:2h / A:2e using PCA/BA
	Yeasts and moulds	A:2h / A:8a using DGC agar
	Enterococci	A:2h / A:9a using KF agar



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<p>WATERS</p> <p>Piped water supplies /Potable including bottled water, Natural (including surface waters) and Swimming Pools</p>	<p><u>Microbiological Testing</u></p> <p>Enumeration of:</p> <p>Coliforms and <i>Escherichia coli</i></p> <p>Total aerobic colony count</p> <p>Enterococci</p> <p><i>Pseudomonas aeruginosa</i></p> <p>Detection and Enumeration of <i>Legionella</i> spp</p> <p>Identification of <i>Legionella pneumophila</i>, Serogroups 1 and 2-14</p>	<p>Documented In-House Methods</p> <p>A:4f, by membrane filtration based on MDW, Part 4A, (2016)</p> <p>1) A:2a, by pour plate based on MDW, Part 7, (2012) 2) A:2c, by surface drop</p> <p>A:9d by membrane filtration using KF Streptococcus agar based on MDW, Part 5, (2012)</p> <p>Documented In-house method A:22, using CN agar at 41.5°C following resuscitation at 30°C based on MDW, Part 8, (2015)</p> <p>A:20 based on BS EN ISO 11731:2017 using filtration with washing, using GVPC (and optional BCYE+AB (Matrix A &amp; B: Procedures 8, 9 &amp; 10 Media B and C)</p> <p>C10 using commercial agglutination kit</p>
<p>Piped water supplies/Potable</p>	<p>Enumeration of:</p> <p><i>Pseudomonas</i> spp</p>	<p>A:22 by membrane filtration using CFC agar at 25°C</p>
<p>RINSE WATERS (for bottles)</p>	<p>Coliforms</p> <p>Total aerobic colony count</p> <p>Enterococci</p>	<p>A:2g and A:4f by membrane filtration based on MDW, Part 4A, (2016)</p> <p>A:2g and A:2a, by membrane filtration and surface enumeration using yeast extract agar</p> <p>A:2g and A:9d by membrane filtration using KF Streptococcus agar based on MDW, Part 5, (2012)</p>



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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  Coliforms  Enterococci	A:20 based on BS EN ISO 11731:2017, using filtration with washing, using and GVPC GVPC (and optional BCYE+AB) (Procedures 8,9 & 10 Media B and C)  C10 using commercial agglutination kit  In house method A:4c using lauryl tryptose broth based on ISO 4831:2006  In house method A:9d by membrane filtration using KF streptococcus agar
END		