


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <b>4303</b> <b>Accredited to ISO/IEC 17025:2017</b>	<b>Decus Research Limited</b> <b>Issue No: 021 Issue date: 25 April 2025</b>	
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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
<b>WATERS</b>  Drinking (non regulatory), Ground, Surface and Treated sewage	<u>Chemistry Testing</u>	Documented In-house procedures based on/incorporating published Procedures in the HMSO Series 'Methods for the Examination of Waters and Associated Materials' referenced by the ISBN number and year
	Ammonia	Method AM.01.12 INORG-L12 by discrete analyser
	Chloride	Method AM.01.13 INORG-L13 by discrete analyser
	Alkalinity	AM.01.09 INORG-L09 by discrete analyser
	Biochemical oxygen demand	Method INORG-L06.1 using titration
	Chemical oxygen demand	Method INORG-L05 ISBN 011 751 915 4, 1986
	Conductivity	Method AM.01.02 INORG-L02 by discrete analyser
	Total dissolved solids (by calculation):	Method AM.01.02 INORG-L02 by calculation
	Fluoride	Method AM.01.15 INORG-L15 by discrete analyser
	Dissolved oxygen	Method INORG-L08 ISBN 011 751 630 9, 1981
	Nitrite	Method AM.01.14 INORG-L14 by discrete analyser



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WATERS (cont'd)	<u>Chemistry Testing</u> (cont'd)	
Drinking (non regulatory), Ground, Surface and Treated sewage	Orthophosphate	Method AM.01.21 INORG-L21 by discrete analyser
	Total hardness (calculation)	(Calculation based on Ca and Mg analysis using METALS-L) ISBN 011 751 600 7, 1981
	Total Phenol	AM.01.20 INORG-L20 by discrete analyser
	TOC/DOC	Method INORG-L18 (Colorimetric) ISBN
Drinking (non regulatory), Ground, Surface	Total suspended solids	Method INORG-L10 ISBN 011 751 957 X, 1980
Drinking (non regulatory), Ground, Surface and Treated sewage	pH	AM.01.01 INORG-L01 by discrete analyser
	<u>Metals:</u>	Method METALS L and METALS LP-01 using ICP-OES
	Aluminium	
	Barium	
	Beryllium	
	Boron	
	Cadmium	
	Calcium	
	Chromium	
	Cobalt	
	Copper	
	Iron	
	Lead	
	Manganese	
	Magnesium	
	Molybdenum	
	Nickel	
	Phosphate	
	Potassium	
	Sodium	
	Sulphate (calculation)	
	Titanium	
	Vanadium	
	Zinc	



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WATER (cont'd)	<u>Chemistry Testing</u> (cont'd)	
Drinking (non regulatory), Ground, Surface and Treated sewage	Total Oxidised Nitrogen (TON) Nitrate (by calculation)	Method AM.01.11 INORG-L11 by discrete analyser
Drinking (non regulatory), Ground and Surface	Colour	Method AM.01.04 INORG-L04 by discrete analyser.
	<u>Microbiological Tests</u>	
	Enumeration of:	
Drinking water (non-regulatory) including bottled water. Ground water. Recreational Swimming pool water	Aerobic colony count at 22 °C and 37°C	MW01P based on MoDW Part 7, 2020
Drinking water (non-regulatory) including bottled water. Ground water.	Coliform and <i>Escherichia coli</i>	MW020P Using Bio-Rad Rapid'E.coli 2 agar
Drinking water (non-regulatory) including bottled water. Ground water. Recreational Swimming pool water	<i>Pseudomonas aeruginosa</i>	MW05P using Bio-Rad Rapid'P. aeruginosa Agar
Drinking water (non-regulatory) including bottled water. Ground water. Recreational Swimming pool water	Sulphite-reducing Clostridia	MW03P based on MoDW Part 6, 2021
Drinking water (non-regulatory) including bottled water. Ground water. Recreational Swimming pool water	Presumptive Enterococci	MW04P based on MoDW Part 5, 2021



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ENVIRONMENTAL SAMPLES (SWABS)	<p><u>Microbiological Tests</u> (cont'd)</p> <p>Detection of:</p> <p><i>Listeria</i> species including <i>L. monocytogenes</i></p> <p><i>Salmonella</i> spp.</p> <p>Enumeration of:</p> <p>Aerobic Colony Count</p> <p><math>\beta</math>-glucuronidase positive <i>Escherichia coli</i></p> <p>Enterobacteriaceae, presumptive</p> <p>Coagulase positive Staphylococci</p>	<p>MS10P using Neogen Less Plus Broth and ALOA, confirmation by Gram stain, Catalase, D-Xylose, L-Rhamnose and <math>\beta</math>- haemolysis</p> <p>MS11P using Neogen BPW HQ + OBOP-S supplement and CASE selective media, with confirmation using Microbact GNB 24E</p> <p>1) MS08P based on BS EN ISO 4833-1:2023+A1:2022</p> <p>2) MS08P in house method by pour plate using PCA, incubation at 30°C for 48h</p> <p>MS02P based on BS EN ISO 16649-2:2001</p> <p>MS03P based on BS EN ISO 21528-2:2017</p> <p>MS06P based on BS EN ISO 6888-1:2021+A1:2023</p>
FOOD and FOOD PRODUCTS, PET FOODS	<p>Detection of:</p> <p><i>Listeria</i> species including <i>L. monocytogenes</i></p> <p><i>Salmonella</i> spp.</p>	<p>MF10P using Neogen Less Plus Broth and ALOA, confirmation by Gram stain, Catalase, D-Xylose, L-Rhamnose and <math>\beta</math>- haemolysis</p> <p>MF11P using Neogen BPW HQ + OBOP-S supplement and CASE selective media, with confirmation using Microbact GNB 24E</p>



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FOOD and FOOD PRODUCTS	<u>Microbiological Tests</u> (cont'd)  Enumeration of:  Aerobic Colony Count  <i>Bacillus cereus</i> , presumptive  <i>Clostridium perfringens</i> , presumptive  Coliforms, presumptive  $\beta$ -glucuronidase positive <i>Escherichia coli</i>  Enterobacteriaceae, presumptive  <i>Pseudomonas</i> spp., presumptive  Coagulase positive Staphylococci	1) MS08P based on BS EN ISO 4833-1:2023+A1:2022  2) MS08P in house method by pour plate using PCA, incubation at 30°C for 48h  MF07P based on BS EN ISO 7932:2004+A1:2020  MF04P based on BS EN ISO 15213-2:2023  MF01P based on BS ISO 4832:2006  MF02P based on BS EN ISO 16649-2:2001  MF03P based on BS EN ISO 21528-2:2017  MF05P based on BS EN ISO 13720:2010  MF06P based on BS EN ISO 6888-1:2021+A1:2023 with confirmation using Oxoid Staphytect plus latex kit
Food products with water activity >0.95	Yeast and Mould	MF09P based on BS ISO 21527-1:2008
END		