

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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



4303

Accredited to
ISO/IEC 17025:2017

Decus Research Limited

Issue No: 016 Issue date: 03 February 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
WATER (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	



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WATER (cont'd) (Drinking (non regulatory), Ground, Surface and Treated sewage)	<u>Chemistry Testing</u> (cont'd) Nitrite Orthophosphate Total hardness (calculation) Total Phenol TOC/DOC Total suspended solids pH <u>Metals:</u> Aluminium Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Manganese Magnesium Molybdenum Nickel Phosphate Potassium	Method AM.01.14 INORG-L14 by discrete analyser Method AM.01.21 INORG-L21 by discrete analyser (Calculation based on Ca and Mg analysis using METALS-L) ISBN 011 751 600 7, 1981 AM.01.20 INORG-L20 by discrete analyser Method INORG-L18 (Colorimetric) ISBN Method INORG-L10 ISBN 011 751 957 X, 1980 AM.01.01 INORG-L01 by discrete analyser Method METALS L and METALS LP-01 using ICP-OES



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WATER (cont'd) (Drinking (non regulatory), Ground, Surface and Treated sewage)	<u>Chemistry Testing</u> (cont'd) <u>Metals:</u> (cont'd) Sodium Sulphate (calculation) Titanium Vanadium Zinc Total Oxidised Nitrogen (TON) Nitrate (by calculation)	Method METALS L and METALS LP-01 using ICP-OES Method AM.01.11 INORG-L11 by discrete analyser
WATERS (Drinking (non regulatory), Ground and Surface)	Colour	Method AM.01.04 INORG-L04 by discrete analyser.
WATERS (Ground water and prepared leachate)	Mecoprop MCPA	Method ORG-L17 using liquid/liquid extraction and GC-MS
Ground water and Treated sewage	Polyaromatic hydrocarbons: 2-bromo naphthalene Acenaphthene Acenaphthylene Anthracene Benzo(a)anthracene Benzo(b)fluoranthene Benzo(k)anthracene Benzo(a)pyrene Benzo(ghi)perylene Dibenzo(ah)anthracene Fluoranthene Fluorene Indeno(123-cd)pyrene Naphthalene Phenanthrene Pyrene	Method ORG - L02 using liquid/liquid extraction and GC-MS



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
WATER (cont'd) Ground water and Treated sewage	<u>Chemistry Testing</u> (cont'd) Phenolic compounds: 2-chlorophenol 4-chloro 3 methyl phenol 2,4 dichloro phenol 2,6 dichlorophenol 2,4 dimethylphenol 4-methyl phenol 2 nitrophenol pentachlorophenol phenol phenol-4 nitro 2,3,4,6 tetrachlorophenol 2,4,5 trichlorophenol 2,4,6 trichlorophenol	Method ORG - L02 using liquid/liquid extraction and GC-MS
END		