Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

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Accredited to ISO/IEC 17025:2017

Eurofins Water Hygiene Testing UK Limited

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Testing performed by the Organisation at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address i54 Business Park Valiant Way Wolverhampton WV9 5GB	**Local contact** Samantha Walley Tel: +44 (0)1902 627200 Email: samantha.walley@ftuki.eurofins.com	Testing: Water Microbiology Water Chemistry	W
Address 6-8 Cochrane Square Brucefield Industrial Estate Livingston EH54 9DR	**Local contact** Michelle Mulvanny Tel: +44 (0)1506 534317 Email: michelle.mulvanny@ftuki.eurofins.com	Testing: Water Microbiology	L
Address The Technical Centre Wickham Road Grimsby DN31 3SL	**Local contact** Michael Smith Tel: +44 (0)1472 868700 Email: michael.smith@ftuki.eurofins.com	Testing: Water Microbiology	G
Address 1 Dukes Green Avenue Feltham TW14 0LR	**Local contact** Paula Horne Tel: 07788 183687 Email: paula.horne@ftuki.eurofins.com	Testing: Water Microbiology	H

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS	Microbiological Tests Enumeration of:	Documented In-house Methods	
Ground and surface waters Drinking (excluding bottled waters at locations H, G and L) Process (tap and hot water systems) Recreational (man made) Unless otherwise specified	Coliforms, Total, *Escherichia coli*	MW10 using Membrane Filtration (MLGA) based on "The Microbiology of Drinking Water" Part 4B 2016 with microtitre confirmation of coliforms using growth characterisation in Idexx Colilert-18 medium	W, L, G, H
	Total aerobic colony count: 37°C, 30°C and 22°C	MW3 based on The Microbiology of Drinking Water Part 7 2020 using manual plate counting	W, L, G
	Total aerobic colony count: 37°C, 30°C and 22°C	MW3 based on The Microbiology of Drinking Water Part 7 2020, including manual or automated plate counting, using Interscience Scan 4000	H
	Enterococci (Faecal streptococci)	MW6 based on The Microbiology of Drinking Water Part 5 2012	W, L, G, H
	Sulphite-reducing Clostridia including *Clostridium perfringens*	MW5 based on The Microbiology of Drinking Water Part 6 2021, confirmation using acid phosphatase or Lactose gelatin and motility nitrate mediums.	W, L, G, H
	Pseudomonas aeruginosa	MW4 based on The Microbiology of Drinking Water Part 8 2015	W, L, G, H
	Pseudomonas species	MW36 using membrane filtration on CFC Agar incubated at 25°C or 30°C for 48h	W, L, G, H
Process Waters	*Pseudomonas* species	MW32 direct plating on CFC Agar incubated at 30°C for 48h, confirmation by oxidase reaction	W, L, G, H

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	Microbiological Tests (cont'd)	Documented In-house Methods	
Drinking waters, process waters, man-made recreational waters	Isolation and enumeration of:		
	Legionella species and *Legionella pneumophila* SG1-14	MW28 based on BS EN ISO 11731:2017 using filtration with washing, using GVPC, Identification latex agglutination (Matrix A & B: Procedure 8, 9 & 10, Media C)	W, L, G, H
	Legionella spp. and *Legionella pneumophila* confirmation/identification	EUMM 3.60 using Bruker MALDI-TOF-MS in conjunction with MW28 for latex agglutination	W
Endoscope washer-disinfector rinse waters (free from disinfectant agents)	Total aerobic colony count at 30°C	MW20 using membrane filtration, plating on to TSA in duplicate, incubated for 5 days	W, G, H
	Chemical and Physical Tests	Documented In-house Methods	
Treated Sewage Untreated Sewage Trade Effluent Ground Water Surface Water Drinking Water (Non-regulatory) Process Water Land Leachate Process Water (hydroponic solution)	Ammonia as N Ammonia as NH3 (by calculation) Ammonium as NH4 (by calculation) Ammonium as N (by calculation) Nitrite as N Nitrite as NO2 (by calculation) Nitrite as NO3 (by calculation) Phosphorus Chloride Total Oxidised Nitrogen Sulphate Fluoride Colour	EIWC01 Spectrophotometric determination of inorganic nutrients and colour	W

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	Chemical Tests	Documented In-house Methods	
Treated Sewage Untreated Sewage Trade Effluent Ground Water Surface Water Drinking Water (Non-regulatory) Process Water Land Leachate Process Water (hydroponic solution)	pH Conductivity Alkalinity to pH 8.3 (phenolphthalein alkalinity or p-alklinity) Alklinity to pH 4.5 (total alkalinity, methyl orange or m-alkalinity)	EIWC02 Determination of pH, conductivity and alkalinity	W
Drinking Water (non-regulatory), Ground water, surface water, treated sewage, land leachate, process water, trade effluent and untreated sewage	Turbidity	EIWC02 Determination of turbidity	W
Ground Water Drinking Water (Non-regulatory) Treated Sewage Surface Water	Turbidity	EIWC03 Determination of turbidity	W
Surface water Ground Water Drinking Water (Non-regulatory)	Free and total Chlorine	EIWC04 Determination of free and total chlorine using spectrophotometry	W
Ground Water Process Water Trade Effluent Treated Sewage Untreated Sewage Surface Water	Total Suspended Solids	EIWC05 Determination of total suspended solids by gravimetry	W
Ground Water Surface Water Process Water Trade Effluent Drinking Water (Non-regulatory)	Determination of Total Dissolved Solids and Total Solids	EIWC06 Determination of total dissolved solids and total solids by gravimetry	W

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	Chemical Tests (cont'd)	Documented In-house Methods	
Ground Water Untreated Sewage Treated Sewage Surface Water Land Leachate Process Water Trade Effluent	Chemical Oxygen Demand (COD)	EIWC08 Determination of chemical oxygen demand by closed cuvette digestion.	W
Treated Sewage Trade Effluent Untreated Sewage Land Leachates Process Water	Total Metals as follows: Aluminium, Boron, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Molybdenum, Nickel, Phosphorus, Potassium, Sulphur, Silicon, Silver, Sodium, Strontium, Tin, Vanadium, Zinc Calcium Hardness as CaCO3 (by calculation) Total Hardness as CaCO3 (by calculation)	EIWC09 Preparation method for the analysis of total and dissolved metals and EIWC10 Determination of total metals using inductively coupled plasma optical emission spectrometry (ICP-OES)	W
Process Water (closed water systems)	Total Metals as follows: Sulphate SO4 (by calculation)	EIWC09 Preparation method for the analysis of total and dissolved metals and EIWC10 Determination of total metals using inductively coupled plasma optical emission spectrometry (ICP-OES)	W
Ground Water Trade Effluent Surface water Treated Sewage Process Water Process water – hydroponic solutions	Dissolved Metals as follows Aluminium, Boron, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Molybdenum, Nickel, Phosphorus, Potassium, Sulphur, Silicon, Silver, Sodium, Strontium, Vanadium, Zinc	EIWC09 Preparation method for the analysis of total and dissolved metals and EIWC11 Determination of dissolved metals using inductively coupled plasma optical emission spectrometry (ICP-OES)	W

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	Chemical Tests (cont'd)	Documented In-house Methods	
Process Water (Ultra-pure waters) Ground Water Surface Water Drinking Water (Non-regulatory)	Dissolved and Total Metals as follows Aluminium, Antimony, Arsenic, Boron, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Lithium, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, , Silicon, Silver, Sodium, Strontium, Thallium, Tin,Titanium, Vanadium, Zinc Calcium Hardness as CaCO3 (by calculation)	EIWC12 using inductively coupled plasma mass spectrometry (ICP-MS)	W
Trade Effluents, Treated Sewage, Untreated Sewage, Process Water, Surface water	Analysis of Biochemical Oxygen Demand (Total, Filtered and Settled)	EIWC21 – Analysis of biochemical oxygen demand (BOD) using optical probe	W
Process water Treated surface water Treated ground water Drinking Water (non-regulatory)	Permanganate index (PI)	EIWC24 determination of permanganate index by automated analyser and redox titrimetry	W
	Physical Tests	Documented In-house Methods	
Surface water, Borehole Water, Untreated Sewage, Treated Sewage, Land Leachtes, Process water – Hydroponic Solutions	Conductivity	N/011 using conductivity	W
	pH	N/018 using pH electrode	W
END			