

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2017	Affinity Water Ltd Issue No: 048 Issue date: 03 September 2024	
	Affinity Water UK Laboratory Scientific Services The Causeway Staines-upon-Thames Middlesex TW18 3BX	Contact: Mr K S Sidhu Tel: +44 (0)1707 398503 E-Mail: Kal.Sidhu@affinitywater.co.uk Website: www.affinitywater.co.uk

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 Affinity Water UK Laboratory Scientific Service The Causeway Staines-upon-Thames Middlesex TW18 3BX	Local contact Mr K Sidhu Tel: +44 (0)1707 398503 Email: Kal.Sidhu@affinitywater.co.uk	Environmental Analysis	A
Address Stevenage Sampler Centre Affinity Water Limited Argyle Way Stevenage Hertfordshire SG1 2AD	Local contact Mr K Sidhu Tel: +44 (0)1707 398503 Email: Kal.Sidhu@affinitywater.co.uk	<u>Support Functions:</u> Sample receipt and distribution	B
Address Staines Sampler Centre Affinity Water Limited The Causeway Staines-upon-Thames Middlesex TW18 3BX	Local contact Mr K Sidhu Tel: +44 (0)1707 398503 Email: Kal.Sidhu@affinitywater.co.uk	<u>Support Functions:</u> Sample receipt and distribution	C
Address Folkestone Sampler Centre Affinity Water Limited The Cherry Garden Cherry Garden Lane Folkestone Kent CT19 4QB	Local contact Mr K Sidhu Tel: +44 (0)1707 398503 Email: Kal.Sidhu@affinitywater.co.uk	<u>Support Functions:</u> Sample receipt and distribution	D



1758
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd
Issue No: 048 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specified

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Water Treatment Works, Service Reservoirs, Domestic Premises	Sampling & on-site testing	E
Commercial and domestic properties	Sampling & on-site testing	F



1758
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS	<u>Chemical Tests and Physical Tests</u>	Documented In-House Procedures based in/incorporating published procedures in the HMSO Series 'Methods for the Examination of Waters and Associated Materials', (MEWAM), referenced by the ISBN number and year. Additional or alternative references are identified where appropriate.	
Surface Water, groundwater and drinking water	Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 (as amended) [SI 614].	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS)	
	Alkalinity	Method No 501 by automated discrete analysis colourimetry	A
	Ammonium	Method No 501 by automated discrete analysis colourimetry	A
	Chloride	Method No 501 by automated discrete analysis colourimetry	A
	Colour	Method No 402 by manual visible spectrometry	A
Surface water, groundwater and drinking water	Bromate Bromide Chlorate Chlorite	Method No 707 Documented In-House Method by Ion Chromatography with conductivity detection and post column UV detection for Bromate.	A
	Bromate Bromide Chlorate Chlorite	Method No 708 Documented In-House Method by Ion Chromatography with MS detection	A
	Dissolved Solids: Total	Method No 301 by gravimetry	A
	Dry Residues	Method No 301 by gravimetry	A
	Electrical conductivity	Method No 101 by manual conductivity meter	A
	Fluoride	Method No 704 by Ion Chromatography with conductivity detection	A



1758
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 **Issue date:** 03 September 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Chemical Tests and Physical Tests (cont'd)</u>	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) (cont'd)	
Surface water, groundwater and drinking water (cont'd)	Hardness: Total	Method No 501 by automated discrete analysis colourimetry	A
	Metals: Aluminium Antimony Arsenic Barium Beryllium Boron Cadmium Calcium Chromium Cobalt Copper Iron Lead Lithium Magnesium Manganese Mercury Molybdenum Nickel Phosphorus Potassium Selenium Silver Sodium Strontium Thallium Tin Titanium Vanadium Zinc Uranium	Method No 603 by ICP-MS	A
	Nitrate	by calculation based on Oxidised Nitrogen and Nitrite from Method No 501	A



1758
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Chemical Tests and Physical Tests (cont'd)</u>	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) (cont'd)	
Surface water, groundwater and drinking water (cont'd)	Nitrite	Method No 501 by automated discrete analysis colourimetry	A
	Organic Carbon: Total	Method No 1 by automated persulfate oxidation with conductivity detection	A
	Total Oxidised Nitrogen	Method No 501 by automated discrete analysis colourimetry	A
	pH	Method No 101 by Manual pH meter	A
	Phosphate: Soluble reactive	Method No 501 by automated discrete analysis colourimetry	A
	Polycyclic Aromatic Hydrocarbons (PAH's): Fluoranthene Benzo(b)fluoranthene Benzo(k)fluoranthene Benzo(a)pyrene Benzo(g,h,i)perylene Indeno(1,2,3-cd)pyrene	Method No 4 (using LC-MS-QQQ)	A
	Silica	Method No 501 by automated discrete analysis colourimetry	A
	Sulphate	Method No 501 by automated discrete analysis turbidimetry	A
	Taste and Odour (quantitative)	Method No 906 by panel based on SCA Blue Method "Determination of Taste and Odour in Potable Waters", 2014	A



1758
Accredited to
ISO/IEC 17025:2017

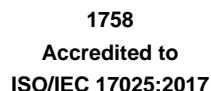
Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 **Issue date:** 03 September 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Chemical Tests and Physical Tests (cont'd)</u>	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) (cont'd)	
Surface water, groundwater and drinking water (cont'd)	<p>Volatile Organic Compounds:</p> <p>Chloroform Bromoform Chlorodibromomethane Bromodichloromethane Trichloroethene Tetrachloroethene 1,1,1-Trichloroethane Tetrachloromethane Benzene Toluene Ethyl benzene Total Xylene</p> <p>MTBE 1,2-Dichloroethane O-Xylene M+P Xylene Trans 1,2-Dichloroethene Cis 1,2-Dichloroethene 1,1 Dichloroethene</p> <p>Turbidity</p>	<p>Method No 18 by Headspace GCMS</p> <p>Method 101 by manual nephelometry</p>	<p>A</p> <p>A</p>



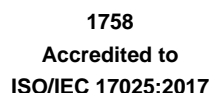
issued by

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

Issue No: 048 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specified

Assessment Manager: JY



issued by

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

Affinity Water Ltd

Issue No: 048 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specified

Assessment Manager: JY



1758
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 **Issue date:** 03 September 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd) Drinking water (regulatory), surface water, groundwater	<u>Chemical Tests and Physical Tests (cont'd)</u> Perfluorinated substances (PFAS): Perfluorobutanoic acid (PFBA) Perfluoropentanoic acid (PFPeA) Perfluorohexanoic acid (PFHxA) Perfluoroheptanoic acid (PFHpA) Perfluorooctanoic acid (PFOA) Perfluorononanoic acid (PFNA) Perfluorodecanoic acid (PFDA) Perfluoroundecanoic acid (PFUnA) Perfluorododecanoic acid (PFDoA) Perfluorotridecanoic acid (PFTrDA) Perfluorobutane sulfonic acid (PFBS) Perfluoropentane sulfonic acid (PFPeS) Perfluorohexane sulfonic acid (PFHxS) Perfluoroheptane sulfonic acid (PFHpS) Perfluorooctane sulphonic acid (PFOS) Perfluorononane sulfonic acid (PFNS) Perfluorodecane sulfonic acid (PFDS) Perfluoroundecane sulfonic acid (PFUnDS) Perfluorododecane sulfonic acid (PFDoS) Perfluorotridecane sulfonic acid (PFTrDS)	Methodology meeting the requirements of The Drinking Water Testing Specification (DWTS) (cont'd) Method 30 by on-line SPE LCMSMS	A



1758
Accredited to
ISO/IEC 17025:2017

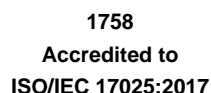
Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 **Issue date:** 03 September 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS	<u>Microbiological Tests</u>		
Bottled Waters	Colony Counts: 3 days at 22 °C 1 day at 37 °C 2 days at 37 °C	Method No B2 based on the Microbiology of Drinking Water 2020part 7	A
	Coliforms (presumptive and confirmed)	Method No B1A based on MoDW Part 4 -Methods for the Isolation and enumeration of coliform bacteria and Escherichia coli (2016) confirmation using Maldi-TOF method no B14	A
	<i>Escherichia coli</i> (presumptive and confirmed)	Method No B1A based on MoDW Part 4 -Methods for the Isolation and enumeration of coliform bacteria and Escherichia coli (2016) confirmation using Maldi-TOF method no B14	A
	Enterococcus (presumptive and confirmed)	Method No B3 based on the Microbiology of Drinking Water 2012 part 5	A
	Coliforms (identification)	Method No B1A API 20E (Bio Merieux)	A



issued by

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

Affinity Water Ltd

Issue No: 048 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specified

Assessment Manager: JY



1758
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 Issue date: 03 September 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
WATERS (cont'd)	<u>Microbiological Tests</u> (cont'd)		
Surface, Groundwater, and potable water	Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations 2016 (SI 614) as amended	Documented In-House Procedures based on/incorporating procedures in the Standing Committee of Analysts publication "The Microbiology of Drinking Water," Methodology meeting the requirements of the Drinking Water Testing Specification (DWTS)	
	<i>Escherichia coli</i> (confirmed)	Method No B11 based on Part 4 -Methods for the Isolation and enumeration of coliform bacteria and <i>Escherichia coli</i> (2016) using Coli-ert	A
	Enterococcus (presumptive and confirmed)	Method No B3 based on the Microbiology of Drinking Water 2012 part 5	A
Surface, Groundwater, and potable water (cont'd)	<i>Pseudomonas aeruginosa</i> (presumptive and confirmed)	Method No B7 based on Methods for the isolation and enumeration of <i>Pseudomonas aeruginosa</i> (2015) Part 8	A
	Coliforms (identification)	API 20E (Bio Merieux) Method B1A	A
Groundwater and Drinking Waters	<i>Cryptosporidium</i> (confirmed) in filter modules	Method CALM1 using the Filta-Max Express method	A
Surface, Groundwater and Drinking Waters	<i>Cryptosporidium</i> (confirmed) in bulk samples	Method CALM1 based on the Microbiology of Drinking Water 2010 part 14	A
Bacterial isolates from the testing of Surface, Groundwater and Drinking Waters, including bottled water using in house microbiology isolation method: B1A	Characterisation and confirmation of: Coliforms and <i>Escherichia coli</i>	Method No B14 using MALDI-TOF (Matrix Assisted Laser Desorption Ionisation – Time of Flight) based on based on MoDW The Identification of Microorganisms using MALDI-TOF Mass Spectrometry (2020)	A



1758
Accredited to
ISO/IEC 17025:2017

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Affinity Water Ltd

Issue No: 048 **Issue date:** 03 September 2024

Testing performed by the Organisation at the locations specified

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
POTABLE AND RAW WATERS From Reservoirs, Water Treatment Works, Household and Industrial Potable Water Taps	<u>Sampling and on-site Testing</u> for the purpose of enforcement of The Water Supply (Water Quality) Regulations 2016 (SI 614) as amended	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
	<u>Sampling</u> For Chemical and Microbiological/ <i>Cryptosporidium</i> Testing	SAMP1, SAMP2 Documented in-house Procedure for Sampling and on-site testing	E
	<u>On-site Testing</u> Residual Chlorine (Free) Residual Chlorine (Total) Temperature	Documented in-house Procedure for Sampling and on-site testing	E
POTABLE AND RAW WATERS From Household and Commercial Potable Water Taps	<u>Sampling and on-site Testing</u> for the purpose of enforcement of The Private Water Supplies (England) Regulations 2016	Where applicable the methodology meeting the requirements of The Drinking Water Testing Specification	
	<u>Sampling</u> For Chemical and Microbiological Testing	SAMP1, SAMP2 Documented in-house Procedure for Sampling and on-site testing	F
	<u>On-site Testing</u> Residual Chlorine (Free) Residual Chlorine (Total) Temperature	Documented in-house Procedure for Sampling and on-site testing	F
END			