

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|--|---|---|
|  <p>UKAS TESTING</p> <p>2148</p> <p>Accredited to ISO/IEC 17025:2017</p> | <h3>Northern Ireland Water</h3> <p>Issue No: 039 Issue date: 12 November 2021</p> | |
| | <p>Gelvin Grange Irish Street Altnagelvin Londonderry BT47 2LD</p> | <p>Contact: Lauren McMullan Tel: +44 (0)28 7131 0353 Fax: +44 (0)28 7131 0375 E-Mail: lauren.mcmullan@niwater.com Website: www.niwater.com</p> |
| <p>Testing performed at the above address only</p> | | |

DETAIL OF ACCREDITATION

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|---|--|--|
| WATERS | Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations (Northern Ireland) 2017 | The testing is in accordance with the Drinking Water Testing Specification (DWTS) |
| | <u>Microbiological Tests</u> | Documented In-House Methods based on The Microbiology of Drinking Water as follows: |
| Potable, surface and ground waters | Enumeration of: Coliforms, confirmed <i>Escherichia coli</i> , confirmed | Test No 4 WM 036 MPN method using IDEXX Colilert (MDW 2009, Part 4) |
| Potable and ground waters | <i>Clostridium perfringens</i> , confirmed | Test No 4 WM 037 using Membrane Filtration and acid phosphatase (MDW 2010, Part 6) |
| Potable and ground waters | Enumeration and Identification of Coliforms and E coli bacteria | Test No 4 WM 044 by Membrane Filtration using MLGA (MDW 2009, Part 4) |
| Potable and ground waters | Colony Count At 37 °C for 44 hours At 22 °C for 68 hours | Test No 4 WM 029 using pour plate (MDW 2012, Part 7) |
| Potable, surface and ground waters | Faecal Enterococci, presumptive and confirmed | Test No 4 WM 034 using Membrane Filtration (MDW 2012, Part 5) |
| Potable, surface, ground water and raw waters | Cryptosporidium Oocysts | Method No 4 WM 045 using Filta max x-press and immuno-magnetic separation based on MDW 2010, Part 14 |



2148
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

Northern Ireland Water

Issue No: 039 **Issue date:** 12 November 2021

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|--|---|
| WATERS (cont'd) | <u>Microbiological Tests</u> (cont'd) | Documented In-House Methods based on The Microbiology of Drinking Water as follows: |
| Surface and ground waters | <i>Salmonella</i> , spp confirmed | Test No 4 WM 035 using membrane filtration, including API confirmation (MDW 2006, part 9) |
| Wastewaters | Enumeration of Coliforms and <i>Escherichia coli</i> | Test No 4 SM 047 MPN method using IDEXX Colilert (MDW 2009, Part 4) |
| | <u>Chemical Tests</u> | Documented In-House Methods based on Standing Committee of Analysts Methods (HMSO) ISBN as follows: |
| WATERS Trade Effluent, Crude Sewage, Landfill Leachate, and Final Sewage Effluent | Ammonia Soluble Reactive Phosphorus Nitrite Total Oxidised Nitrogen Chloride Alkalinity Total Nitrogen Total Phosphorus | Test Procedure 4SM 051 by discrete analyser |
| Trade Effluents, Final Sewage Effluent, Landfill Leachate and Water Treatment Discharges | Total Metals: Aluminium Iron Copper Zinc Lead Arsenic Cadmium Chromium Nickel Boron | Test procedure 4SM059 using ICP-MS |



2148
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

Northern Ireland Water

Issue No: 039 **Issue date:** 12 November 2021

Testing performed at main address only

| Materials/Products tested | Type of test/Properties measured/Range of measurement | Standard specifications/ Equipment/Techniques used |
|--|---|--|
| WATERS (cont'd) | <u>Chemical Tests</u> (cont'd) | Documented In-House Methods based on Standing Committee of Analysts Methods (HMSO) ISBN as follows: (cont'd) |
| Trade Effluents, Crude Sewage, Final Sewage Effluent, Landfill Leachate and Water Treatment Discharges | COD | Test Procedure No 4 SM 003 ISBN (011 751 915 4, 1986) |
| Trade Effluents and Waste water treatment discharges | COD (settled) | Test Procedure No 4 SM 003 ISBN (011 751 915 4, 1986) |
| Trade Effluents, Final Sewage Effluent and Crude Sewage and Landfill Leachate | Suspended Solids | 1) Test Procedure No 4 SM 005 (trade effluent) |
| Crude Sewage, Final Sewage effluent, water treatment discharges | Suspended Solids | 2) Test Procedure No 4 SM 012 (sewage) ISBN (011 751 957, 1980) |
| Trade Effluents, Landfill Leachate, Crude and final sewage effluent | pH | Test Procedure No 4 SM 054 using the Mettler Toledo S80 Sevenmulti |
| Crude Sewage, Final Effluent Water treatment discharges and Trade Effluent | pH | Method 4 SM 055 using the Mantech Assayplus pH analyser |
| Crude and Final Sewage Effluent, Trade Effluent and Water Treatment Works Effluent | pH | Method 4SM058 using Orion Star A111 pH meter |
| Crude Effluent and Trade Effluents | Hexane extractable material | Test Procedure 4 SM 048 by gravimetry |
| Crude Effluent, final sewage effluent and Trade Effluents | BOD | Test Procedure No 4 SM 050 ISBN (011 752 212 0,1988) |
| END | | |