

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>UKAS TESTING 2148</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Northern Ireland Water</h3> <p>Issue No: 026 Issue date: 27 February 2012</p>	
	<p>Gelvin Grange Irish Street Altnagelvin Londonderry BT47 2LD</p>	<p>Contact: Janet Hetherington Tel: +44 (0)28 7131 0353 Fax: +44 (0)28 7131 0375 E-Mail: janet.hetherington@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
<p>WATERS</p> <p>Potable, surface and ground waters</p>	<p>Testing for the purpose of enforcement of the Water Supply (Water Quality) Regulations (Northern Ireland) 2009 The testing is in accordance with the Drinking Water Testing Specification (DWTS)</p> <p><u>Microbiological Tests</u></p> <p>Enumeration of:</p>	<p>Documented In-House Methods based on The Microbiology of Drinking Water (2002) as follows:</p>
<p>Potable, surface and ground waters</p>	<p>Coliforms, confirmed <i>Escherichia coli</i>, confirmed</p>	<p>Test No 4 WM 036 using IDEXX Colilert (MDW 2009, Part 4)</p>
<p>Potable, surface and ground waters</p>	<p><i>Clostridium perfringens</i>, confirmed</p>	<p>Test No 4 WM 037 using Membrane Filtration and acid phosphatase (MDW 2010, Part 6)</p>
<p>Potable, surface and ground waters</p>	<p>Enumeration and Identification of Coliforms and E coli bacteria</p>	<p>Test No 4 WM 044 by Membrane Filtration using MLGA (MDW 2009, Part 4)</p>
<p>Potable, surface and ground waters</p>	<p>Colony Count At 37 °C for 44 hours At 22 °C for 68 hours</p>	<p>Test No 4 WM 029 using pour plate (MDW 2007, Part 7)</p>
<p>Potable, surface and ground waters</p>	<p>Faecal Enterococci, presumptive and confirmed</p>	<p>Test No 4 WM 034 using Membrane Filtration (MDW 2010, Part 5)</p>
<p>Potable, surface, ground water and raw waters</p>	<p>Cryptosporidium</p>	<p>Method No 4 WM 045 using Filta Max/ Filta max x-press and immuno-magnetic separation based on MDW 2010, Part 14</p>



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WATERS Potable, surface and ground waters	<u>Microbiological Tests</u> (cont'd)	Documented In-House Methods based on The Microbiology of Drinking Water (2002) as follows:
Potable, 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 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 Waste Waters and Trade Effluent	Ammonia Soluble Reactive Phosphorus Nitrite Total Oxidised Nitrogen Chloride Alkalinity Total Nitrogen Total Phosphorus	Test Procedure 4SM 051 by discrete analyser
Waste Waters and Trade Effluents	Total and soluble Aluminium Iron Manganese Copper Zinc Lead Arsenic Cadmium Chromium Nickel Mercury Boron	Test procedure 4SM049 using ICP-MS
Waste Waters and Trade Effluents	COD	Test Procedure No 4 SM 003 ISBN (011 751 915 4, 1986)
Trade Effluents	COD (settled)	Test Procedure No 4 SM 003 ISBN (011 751 915 4, 1986)



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WATERS Waste Waters and Trade Effluents (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)
Waste Waters and Trade Effluents	Suspended Solids	1) Test Procedure No 4 SM 005 (trade effluent) 2) Test Procedure No 4 SM 012 (sewage) ISBN (011 751 957, 1980)
Waste Waters and Trade Effluents	pH	1) Test Procedure No 4 SM 011 ISBN (011 751 428 4,1978) 2) Test Procedure No 4 SM 045 ISBN (011 751 428 4,1978) using thermo Orion and pH meter 3) Test Procedure No 4 SM 054 using the Mettler Toledo S80 Sevenmulti
Waste Waters (Crude Sewage, Final Effluent) and Trade Effluent	pH	Method 4 SM 055 using the Mantech Assayplus pH analyser
Waste Waters and Trade Effluents	Fats, Oils and Greases	Test Procedure 4 SM 048 by gravimetry
Raw water, Waste Waters and Trade Effluents	BOD	Test Procedure No 4 SM 050 ISBN (011 752 212 0,1988)
	END	