


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>UKAS TESTING 4150</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>ACS Environmental Testing Ltd</h3> <p>Issue No: 010 Issue date: 02 August 2011</p>	
	<p>Unit 14B Blackhill Road West Holton Heath Trading Park Poole Dorset BH16 6LE</p>	<p>Contact: Mr M Rowley Tel: +44 (0)1202 628680 Fax: +44 (0)1202 628642 E-Mail: mark.rowley@acstesting.co.uk Website:</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
SOIL and GRANULAR WASTE	<u>Chemical Tests</u>	Documented In-House Methods based on National Grid Property Holdings document "Methods for the Collection and Analysis of Samples from National Grid Sites - 2007"
	pH value	Test Procedure BS 1377:3:1990 by pH meter
	Total Extractable Metals: Arsenic Cadmium Chromium - total Copper Lead Nickel Selenium Zinc	Test Procedure AE-16 by ICP-OES
	Total Petroleum Hydrocarbons C ₁₀ -C ₄₀	Test Procedure AE-13 by GC-FID
	BTEX: Benzene Ethylbenzene Toluene m-Xylene o-Xylene p-Xylene	Test Procedure AE-03 by Headspace GC-FID



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
SOIL and GRANULAR WASTE (cont'd)	<p><u>Chemical Tests</u> (cont'd)</p> <p>Phenols: Phenol Cresols Xylenols & Ethylphenols Trimethylphenols</p> <p>Polynuclear Aromatic Hydrocarbons (PAH's): - Naphthalene - Acenaphthylene - Acenaphthene - Fluorene - Phenanthrene - Anthracene - Fluoranthene - Pyrene - Benzo(a)anthracene - Chrysene - Benzo(b)fluoranthene - Benzo(k)fluoranthene - Benzo(a)pyrene - Indeno(1,2,3-c,d)pyrene - Dibenzo(a,h)anthracene - Benzo(g,h,i)perylene Total PAH's (SUM of 16 Above)</p> <p>Loss on Ignition</p> <p>WAC Leachate Preparation</p> <p>Total Organics Carbon (TOC)</p> <p><u>Chemical Tests</u></p> <p>Acid soluble sulphate (Total Sulphate)</p>	<p>Documented In-House Methods based on National Grid Property Holdings document "Methods for the Collection and Analysis of Samples from National Grid Sites - 2007"</p> <p>Test Procedure AE-23 by HPLC, ECD</p> <p>Test Procedure AE-32 by GC-MS</p> <p>Test Procedure BS 1377:3:1990 by Furnace</p> <p>BS EN 12457-3:2002 (Test Procedure AE-01)</p> <p>Test Method AE-34 using a HACH- LANGE Carbon analyser</p> <p>Method based on BS 1377:Part 3:1990</p> <p>Test method AE-40 using wet chemistry techniques</p>



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SOIL (cont'd)	<u>Chemical Tests (cont'd)</u> Polynuclear Aromatic Hydrocarbons (PAH's): - Naphthalene - Acenaphthylene - Acenaphthene - Fluorene - Phenanthrene - Anthracene - Fluoranthene - Pyrene - Benzo(a)anthracene - Chrysene - Benzo(b)fluoranthene - Benzo(k)fluoranthene - Benzo(a)pyrene - Indeno(1,2,3-c,d)pyrene - Dibenz(a,h)anthracene - Benzo(g,h,i)perylene Total PAH's (SUM of 16 Above)	Documented In-House Methods to meet the requirements of the Environment Agency MCERTS Performance Standard - soils (cont'd) Test Procedure AE-32 by GC-MS
SURFACE AND GROUND WATERS and LEACHATES	<u>Chemical Tests</u> Anions: chloride sulphate Electrical conductivity pH value	Documented In-House Methods based on National Grid Property Holdings document "Methods for the Collection and Analysis of Samples from National Grid Sites - 2007" when applied to leachates from BS EN 12457-3 Test Procedure AE-14 by Ion Chromatography Test Procedure AE-07 by Conductivity Meter Test Procedure AE-06 by pH meter

