


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2017</p>	<b>Quartz Scientific Computing Limited t/a Quartz Scientific</b>	
	<b>Issue No: 032 Issue date: 14 May 2021</b>	
	<b>7G Dukes Yard</b> <b>Shakespeare industrial Estate</b> <b>Watford</b> <b>Hertfordshire</b> <b>WD24 5AL</b>	<b>Contact: Mr I Girling</b> <b>Tel: +44 (0)1923 213983</b> <b>Fax: +44 (0)1923 247732</b> <b>E-Mail: <a href="mailto:ian.girling@quartz-scientific.co.uk">ian.girling@quartz-scientific.co.uk</a></b> <b>Website: <a href="http://www.quartz-scientific.co.uk">www.quartz-scientific.co.uk</a></b>
<b>Testing performed at the above address only</b>		

### DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
AGGREGATES	<u>Chemical Tests and related Opinions and Interpretations</u>	
	Carbon dioxide content (reference method)	BS EN 196-2:2013
	Determination of water-soluble chloride salts using the Volhard method (reference method)	BS EN 1744-1:2009 + A1:2012
	Determination of water-soluble chloride salts by potentiometry (alternative method)	BS EN 1744-1:2009 + A1:2012
	Determination of water-soluble chloride salts using the Mohr method (alternative method)	BS EN 1744-1:2009 + A1:2012
	Determination of water-soluble sulfates	BS EN 1744-1:2009 + A1:2012
	Total sulfur content	BS EN 1744-1:2009 + A1:2012
	Determination of acid soluble sulfates	BS EN 1744-1:2009 + A1:2012
	Acid soluble sulphide	BS EN 1744-1:2009 + A1:2012
	Lightweight contaminators	BS EN 1744-1:2009 + A1:2012
Determination of loss on ignition	BS EN 1744-1:2009 + A1:2012	
Acid soluble chloride salts	BS EN 1744-5:2006	



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AGGREGATES (cont'd)	<u>Physical Tests</u> Assessment of fines - methylene blue test	BS EN 933-9:2009+A1:2013
CLAY BRICKS	Determination of the water content by drying in a ventilated oven	BS EN 1097-5:2008
	<u>Chemical Tests and related Opinions and Interpretations</u>	
	Soluble salt content	BS EN 772-5:2016
	Sulfate content	BS 3921:1985 (withdrawn)
CEMENT	<u>Chemical Tests</u>	
	Determination of loss on ignition	BS EN 196-2:2013
	Gravimetric determination of sulfate	BS EN 196-2:2013
	Sulphide content	BS EN 196-2:2013
	Chloride content	BS EN 196-2:2013
	Alkali content	BS EN 196-2:2013
CONCRETE - hardened	<u>Chemical Tests and related Opinions and Interpretations</u>	
	Cement & aggregate content	BS 1881:Part 124:2015 + A1:2021
	Loss on ignition	BS 1881:Part 124:2015 + A1:2021
	Capillary porosity	BS 1881:Part 124:2015 + A1:2021
	Original water/cement ratio	BS 1881:Part 124:2015 + A1:2021
	Chloride content	BS 1881:Part 124:2015 + A1:2021
	Sulphate content	BS 1881:Part 124:2015 + A1:2021
	Sulphide content	BS 1881:Part 124:2015 + A1:2021
	Sodium oxide & potassium oxide contents	BS 1881:Part 124:2015 + A1:2021



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CONCRETE - hardened (cont'd)	<u>Chemical Tests and related Opinions and Interpretations (cont'd)</u>	
	Chloride content – potentiometric method	BS EN 14629:2007
	Presence of High Alumina Cement by rapid chemical method	BRE Information Sheet IS 15/74
	Carbonation	BS EN 14630:2006
	<u>Physical Tests</u>	
	Water absorption	BS 1881:Part 122:2011
	Density	BS EN 12390-7:2019 + AC 2020
CONTAMINATED LAND	Metallic fibre content	BS EN 14721:2005+A1:2007 BS EN 14488-7:2006
	Non-metallic fibre content	Documented In-House Method No 27 using crushing and separation techniques in BS EN 14721:2005+A1:2007
	<u>Chemical Tests</u>	
GYPSUM BUILDING PLASTERS excluding premixed lightweight plasters	Cadmium, chromium, copper, lead, nickel and zinc in soils	Documented In-House Method No 7 using atomic absorption spectroscopy
	Hexavalent chromium in soils	Documented In-House Method No 8 using atomic absorption spectroscopy
	Sulphur trioxide and calcium oxide content	BS 1191:Part 1:1973 (withdrawn)
	Soluble sodium and magnesium salt content	BS 1191:Part 1:1973 (withdrawn)
	Loss on ignition	BS 1191:Part 1:1973 (withdrawn)



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GYPSUM BUILDING PLASTERS excluding premixed lightweight plasters (cont'd)	<u>Chemical Tests and related Opinions and Interpretations</u> (cont'd)	
	Free lime content	BS 1191:Part 1:1973 (withdrawn)
GYPSUM BUILDING PLASTERS - premixed lightweight plasters	<u>Chemical Tests and related Opinions and Interpretations</u>	
	Soluble sodium and magnesium salt content	BS 1191:Part 2:1973 (withdrawn)
	Free lime content	BS 1191:Part 2:1973 (withdrawn)
	Sulfate	BS EN 13279-2:2014
MORTAR and SCREED	<u>Chemical Tests and related Opinions and Interpretations</u>	
	Insoluble residue and soluble silica	BS 4551:2005+A2:2013
	Calcium oxide content	BS 4551:2005+A2:2013
	Sulfur trioxide content	BS 4551:2005+A2:2013
	Total iron content	BS 4551:2005+A2:2013
	Aluminium oxide content	BS 4551:2005+A2:2013
	Mix proportions	BS 4551:2005+A2:2013
PAINT	<u>Chemical Tests</u>	
	Total lead	BS 3900:Part B4:1986
SALT for spreading on highways for winter maintenance	<u>Chemical Tests and related Opinions and Interpretations</u>	
	Chloride	BS 3247:2011 +A1:2016
	Soluble sulphate compounds	BS 3247:2011 +A1:2016



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SOILS for civil engineering purposes	<u>Chemical Tests</u>	
	Organic matter content	BS 1377:Part 3:1990
	Mass loss on ignition	BS 1377:Part 3:1990
	Sulphate content of soil and ground water - gravimetric method	BS 1377:Part 3:1990
	Carbonate content	BS 1377:Part 3:1990
	Water-soluble chloride content	BS 1377:Part 3:1990
	Acid-soluble chloride content	BS 1377:Part 3:1990
	Total dissolved solids	BS 1377:Part 3:1990
	pH value	BS 1377:Part 3:1990
		<u>Physical Tests</u>
	Moisture content - oven drying method	BS 1377:Part 2:1990
GEOTECHNICAL INVESTIGATION and TESTING - Laboratory testing of soil	Water content	BS EN ISO 17892-1:2014
WATER for making concrete	<u>Chemical Tests</u>	
	Qualitative preliminary inspection of mixing water	BS EN 1008:2002
	Suitability of mixing water for concrete by quantitative appraisal	BS EN 1008:2002
	- chloride	
	- sulfate	
- sodium		
- potassium		
- lead		
- zinc		
- sugar		
- phosphate		
- nitrate		
END		