

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

	<b>Glass Technology Services Ltd</b>	
	Issue No: 006    Issue date: 11 August 2005	
	<b>Analytical &amp; Diagnostic Services</b> 9 Churchill Way Chapelton Sheffield S35 2PY	<b>Contact: Mr David Grayhurst</b> Tel: +44 (0)114 290 1801 Fax: +44 (0)114 290 1851 E-Mail: d.grayhurst@glass-ts.com Website: www.glass-ts.com
<b>Testing performed away from the permanent laboratory</b>		

### SUMMARY OF ACCREDITATION

#### ENVIRONMENTAL SAMPLES

- Stack emissions - analysis
  - Oxides of nitrogen & sulphur
  - Oxygen
  - Water vapour
- Stack emissions - sampling
  - Acids/acid gases
  - Halogens/halides
  - MCERTS
  - Metals/trace elements
  - Oxides of nitrogen & sulphur
  - Oxygen
  - Particulates
  - Water vapour



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
POLLUTANTS and EFFLUENTS: STACK EMISSIONS	<u>Sampling</u>	Documented In-House methods
	Total Particulates	QP 34 based on BS 3405:1983 and BS 6069:Section 4.3:1992 (Superseded)
	Wet Chemical Impingement for subsequent analysis by a UKAS accredited laboratory for	
	Sulphur Oxides Hydrogen Fluoride Ammonia Hydrogen Chloride	QP 37 using Anisokinetic sampling
	<u>Sampling and Chemical Analysis</u>	
	Moisture	QP 34 based on BS 6069:Section 4.3:1992 (Superseded)
	Oxygen (0 - 20.9%)	QP 38 using a paramagnetic analyser
	Nitric Oxide (0 - 2000ppm) Sulphur Dioxide (0 - 2000ppm)	QP 36 using an NDIR analyser
	<u>Sampling of source emissions to atmosphere</u>	National, European, International and other recognised Standards, documented in-house procedures and work instructions (where required) to meet the requirements of the Environment Agency MCERTS performance standard
	Total particulate	QP 40 based on BS EN 13284-1:2002 and BS ISO 9096:203
	Hydrogen chloride	QP 43 based on BS EN 1911-1:1998
	Heavy metals: Antimony Arsenic Cadmium Chromium Cobalt Lead Manganese Nickel Titanium Vanadium	QP 50 based on BS EN 14385:2004



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POLLUTANTS and EFFLUENTS: STACK EMISSIONS	<u>On Site Testing</u>  Moisture  Pressure Temperature Velocity  Oxygen  Nitrogen oxides  Sulphur dioxide	QP 42 based on USEPA Method 4  QP 41 based on BS EN 13284-1:2002  QP 45 based on ISO 12039:2001  QP 46 based on ISO 10849:1996  QP 46 based on BS 6069-4.4:1993
	END	