


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>4114</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Cirrus Environmental Solutions Ltd</h3> <p>Issue No: 021 Issue date: 05 September 2017</p>	
	<p>Unit H7 Washington Business Centre Turbine Business Park Turbine Way Washington Tyne & Wear SR5 3QY</p>	<p>Contact: Ms R Bowman Tel: +44 (0)191 543 6455 Fax: +44 (0)845 0268680 E-Mail: rachel.bowman@cirrusenvironmental solutions.co.uk Website: www.cirrusenvironmentalsolutions.co.uk</p>
<p>Testing performed by the Organisation at the locations specified below</p>		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
<p>Address Cirrus Environmental Solutions Ltd Unit H7 Washington Business Centre Turbine Business Park Turbine Way Washington Tyne & Wear SR5 3QY</p> <p>Local contact Ms R Bowman Tel: +44 (0)191-5436455 Email: rachel.bowman@ cirrusenvironmentalsolutions.co.uk</p>	<p>Support Functions: Quality System Quality Audit Administration</p> <p>Sampling and Testing: Stack emissions Testing Physical Testing</p>	A

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Customer sites requiring Stack Emissions Testing	Stack Emissions Testing	B

Sanctions history:

Please refer to the table at the end of this accreditation schedule for a detail of any sanctions that have been taken as a result of significant non-conformities raised against this laboratory within the previous two years of the publication date.



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Filter Papers only	<u>Physical Testing</u>		
	Weighing of Particulate Matter	BS EN 13284-1:2002, MID 13284-1 (SOP/em/doc4) BS ISO 9096:2003 (SOP/em/doc4)	A A
Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 accredited laboratory</u>	National, International and other recognised standards using documented In-House work instructions to meet the requirements of DD CEN/TS 15675:2007/ BS EN 15259:2007	
	Hydrogen Chloride	US EPA Method 26A (SOP/em/doc10)	B
	Hydrogen Fluoride	US EPA Method 26A (SOP/em/doc10)	B
	Ammonia	US EPA Method 26A (SOP/em/doc10)	B
	<u>Sampling and On-Line Analysis</u>		
	Oxygen	ISO 12039:2001 (SOP/em/doc3 – electrochemical cell analyser)	B
	Oxides of Nitrogen	ISO 10849:1996 (SOP/em/doc3 – electrochemical cell analyser)	B
	Carbon monoxide	ISO 12039:2001 (SOP/em/doc3 – electrochemical cell analyser)	B
Sulphur dioxide	ISO 7935:1992 (BS 6069-4.4:1993) (SOP/em/doc3 – electrochemical cell analyser)	B	



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO/IEC 17025 accredited laboratory</u> Total Particulate Matter (20 to 1000 mg/m ³)	National, International and other recognised standards using documented In-House work instructions to meet the requirements of DD CEN/TS 15675:2007/ BS EN 15259:2007 BS ISO 9096:2003 (SOP/em/doc5 and SOP/em/doc7)	B
Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 accredited laboratory</u> Total Particulate Matter Hydrogen Chloride Halides and Halogens: Hydrogen Bromide Chlorine Bromine Sulphur Dioxide Ammonia Formaldehyde	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007 BS EN 13284-1:2002 (SOP/em/doc5 and SOP/em/doc7) BS EN 1911:2010 (SOP/em/doc9) US EPA Method 26A (SOP/em/doc10) BS EN 14791:2017 (SOP/em/doc17) BS EN 14791:2017 (SOP/em/doc17) US EPA Method 316 (SOP/em/doc13)	B B B B B



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO/IEC 17025 accredited laboratory (cont'd)</u>	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007	
	Speciated VOCs (carbon and other suitable tubes) (Direct sampling of dry stacks only): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	PD CEN/TS 13649:2014 (SOP/em/doc6)	B
	Isocyanates	US EPA CTM 036 (SOP/em/doc24)	B
	<u>Sampling and On-Site Analysis</u>		
	Water Vapour	BS EN 14790:2017 (SOP/em/doc21)	B
	<u>Sampling and On-Line Analysis</u>		
	Pressure, Temperature and Velocity (Point velocity method)	BS EN 16911-1:2013 (SOP/em/doc1 – using differential pressure device (pitot tube) method)	B
	Carbon Monoxide*	BS EN 15058:2017 (SOP/em/doc20 – NDIR analyser)	B
	Carbon Dioxide*	BS ISO 12039:2001 (SOP/em/doc20 - NDIR analyser)	B
Nitrogen Monoxide (NO)*	BS EN 14792:2017 (SOP/em/doc020 – Chemiluminescence analyser)	B	



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling and On-Line Analysis</u> (cont'd)	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007	
	Oxides of Nitrogen (NOx)*	BS EN 14792:2017 (SOP/em/doc020 – Chemiluminescence analyser)	B
	Sulphur Dioxide*	EA TGN M21 (SOP/em/doc20 - NDIR analyser)	B
	Oxygen*	BS EN 14789:2017 (SOP/em/doc20 - Validated Zirconium cell analyser)	B
	Total Gaseous Organic Carbon* (TOC/VOC) (0 to 1000 mg/m ³)	BS EN 12619:2013 (SOP/em/doc2 - FID analyser)	B
END			

* - The scale range of the analyser used for this test must be that detailed on its current MCERTS certificate or a range validated by the organisation to meet MCERTS requirements.

Sanctions history:

Date of Sanction	Sanction Taken	Tests Affected	Date Sanction Cleared
07 November 2015	Suspension of tests	Sampling and on line analysis of carbon monoxide, nitric oxide and oxides of nitrogen	19 June 2016
07 November 2015	Suspension of tests	Sampling and on line analysis of oxides of nitrogen	15 July 2016