


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2005	CES Environmental Instruments Ltd	
	Issue No: 034 Issue date: 11 February 2019	
	Bretby Business Park Ashby Road Stanhope Burton upon Trent Staffordshire DE15 0YZ	Contact: Mr R M Allen Tel: +44 (0)1283 216334 Fax: +44 (0)1283 550939 E-Mail: info@cese.co.uk Website: www.cesei.co.uk
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Bretby Business Park Ashby Road Stanhope Burton-upon-Trent Staffordshire DE15 0YZ	Local contact Mr R M Allen Tel: +44 (0)1283 216334 Fax: +44 (0)1283 550939 Email: info@cese.co.uk Website: www.cesei.co.uk	Support functions: Quality System Quality Audit Administration Sampling and Testing: Stack Emissions Testing	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



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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 and Rinse Solutions	<u>Physical Tests</u> Weighing of Particulate Matter	BS EN 13284-1:2017 BS ISO 9096:2017 (WI 4/3)	A
Testing of Stack Emissions to Atmosphere	<u>Sampling and On-Line analysis</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	
	Water Vapour	USEPA Method 4 (WI 4/6)	B
	Total Particulate Matter (50 to 1000 mg/m ³)	BS ISO 9096:2017 (WI 4/34 - MST) (WI 4/26 - Gravimat)	B
	Pressure, Temperature and Velocity	BS EN 13284-1:2017 (WI 4/32 - MST) BS EN 13284-1:2017 (WI 4/1 - Gravimat) BS ISO 9096:2017 (WI 4/34 - MST) BS ISO 9096: 2017 (WI 4/26 - Gravimat)	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 17025 Accredited Laboratory</u>	National, European, International and Environment Agency specified standards including MID's 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	
	Total Particulate Matter	BS EN 13284-1:2017 (WI 4/32 - MST) (WI 4/1 - Gravimat)	B
	Mass Concentration of Individual Gaseous Organic Compounds	CEN TS 13649:2014 (WI 4/57 – Sorbent Tube Method)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	BSISO11338:2003 (WI4/52)	B
	Dioxins and Furans	BS EN 1948-1:2006 (WI 4/31)	B
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-4:2010 (WI 4/31)	B
	Sulphur Dioxide	BS EN 14791:2017 (WI 4/47)	B
	Ammonia	Based on BS EN 14791:2017 (WI 4/46)	B
	Halogens and Halides Hydrogen Bromide Chlorine Bromine	USEPA Method 26 (WI 4/27)	B
	Halogens and Halides Hydrogen Bromide Chlorine Bromine	USEPA Method 26A (WI 4/38)	B
Hydrogen Chloride	BS EN 1911:2010 (WI 4/29)	B	



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (cont'd)</u>	National, European, International and Environment Agency specified standards including MID's 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 (cont'd)	
	Hydrogen Fluoride	BS ISO 15713:2006 (WI 4/43)	B
	Metals	BS EN 14385:2004 (WI 4/30)	B
	Total Mercury	BS EN 13211:2001 (WI 4/33)	B
	<u>Sampling and On-Site analysis</u>		
	Water Vapour	BS EN 14790:2017 (WI 4/40)	B
	<u>Sampling and On-Line analysis</u>		
	Water Vapour*	EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Oxygen*	BS EN 14789:2017 (WI 4/41 - Validated Zirconium cell analyser)	B
Pressure, Temperature and Velocity (point velocity method)	BS EN 16911-1:2013 (WI 4/1 – using differential pressure device (pitot tube) method) - Gravimat	B	
Total Gaseous Organic Carbon* (TOC / VOC) (0 to 1000 mg/m ³)	BS EN 12619:2013 (WI 4/28 - FID 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 MID's 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 (cont'd)	
	Carbon monoxide*	BS EN 15058:2017 (WI 4/42 - NDIR Analyser) EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Carbon Dioxide*	ISO 12039:2001 (WI 4/9 - NDIR Analyser) EA TGN M22 (WI 4/50 - FTIR analyser)	B
	Sulphur Dioxide*	CEN/TS 17021:2017 EA TGN M22 (WI 4/50 - FTIR analyser)	B
	Propane*	EA TGN M22 (WI 4/50 - FTIR analyser)	B
	Hydrogen Chloride*	EA TGN M22 (WI 4/50 - FTIR analyser)	B
	Nitrogen monoxide (NO)*	BS EN 14792:2017 (WI 4/39 - Chemiluminescence analyser) EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Nitrogen dioxide (NO ₂)*	EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
Oxides of Nitrogen (NO _x)*	BS EN 14792:2017 (WI 4/39 - Chemiluminescence analyser) EA TGN M22 (WI 4/50 - Validated FTIR 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 (cont'd)	
	Nitrous oxide (N ₂ O)*	EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Ammonia*	EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Halides and Halogens* Speciated VOC's* Other Inorganic Gases*	EA TGN M22 (WI 4/50 - FTIR analyser)	B
	The organisation holds a flexible scope of accreditation for the above FTIR tests. Please contact the organisation for details of the individual gaseous compounds they can sample and analyse to this method.		
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure WI4/48 to meet the requirements of BS EN 14181:2014, Environment Agency MID 14181 (TGN M20 Annex A) and other requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007	A, 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.