


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2017	CES Environmental Instruments Ltd	
	Issue No: 038 Issue date: 23 July 2020	
	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 Testing</u> Weighing of Particulate Matter	BS ISO 9096:2017 (WI 4/3)	A
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES	<u>Physical Testing</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 for laboratories carrying out testing of samples from stack emissions monitoring	
Filter Papers and Rinse Solutions	Weighing of Particulate Matter	BS EN 13284-1:2017 (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
	Isocyanates	USEPA Method CTM 036 (WI 4/53)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338:2003 (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	BS EN ISO 21877:2019 (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	



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory</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)	
	Hydrogen Chloride	BS EN 1911:2010 (WI 4/29)	B
	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 (W1 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*	PD 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 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)	
	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.