


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 2338 Accredited to ISO/IEC 17025:2017	CES Environmental Instruments Ltd	
	Issue No: 045 Issue date: 15 February 2024	
	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 with subsequent analysis by an ISO 17025 Accredited Laboratory</u>	National, International and other recognised standards using documented In-House work instructions to meet the requirements of BS EN 15259:2007	
	Total Particulate Matter (50 to 1000 mg/m ³)	BS ISO 9096:2017 (WI 4/34 - MST) (WI 4/26 - Gravimat)	B
	<u>Sampling and On-Line analysis</u>		
	Pressure, Temperature and Velocity (point velocity method) for: <ul style="list-style-type: none"> Periodic Compliance Monitoring 	BS EN 16911-1:2013 & EA MID 16911-1 (W1 4/1 – using differential pressure device (pitot tube) method) (W1 4/56 – using differential pressure device (pitot tube) method) - Gravimat Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objective 1	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	<u>Sampling and On-Line analysis (cont)</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 BS EN 15259:2007	
	Pressure, Temperature and Velocity (Point Velocity Method) for: <ul style="list-style-type: none"> • Calibration of Continuous AMS • To meet requirements of Emissions Trading Schemes 	BS EN 16911-1:2013 (W1 4/1 – using differential pressure device (pitot tube) method) (W1 4/56 – using differential pressure device (pitot tube) method) - Gravimat Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objective 1, 2 and 3	B
	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory</u>		
	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	



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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> (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 BS EN 15259:2007	
	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
	Hydrogen Chloride	BS EN 1911:2010 (WI 4/29)	B
	Hydrogen Fluoride	PD CEN/TS 17340:2020 (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*	PD CEN/TS 17337 :2019 (WI 4/61 -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 BS EN 15259:2007	
	Oxygen*	BS EN 14789:2017 (WI 4/41 - Validated Zirconium cell analyser) BS EN 14789:2017 (WI 4/41 - Paramagnetic analyser)	B
	Total Gaseous Organic Carbon* (TOC / VOC) (0 to 1000 mg/m ³)	BS EN 12619:2013 (WI 4/28 - FID analyser)	B
	Carbon monoxide*	BS EN 15058:2017 (WI 4/42 - NDIR Analyser) PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
	Carbon Dioxide*	PD CEN/TS 17405:2020 (WI 4/9 - NDIR Analyser) PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
	Sulphur Dioxide*	PD CEN/TS 17021:2017 PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
	Propane*	PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
	Nitrogen monoxide (NO)*	BS EN 14792:2017 (WI 4/39 - Chemiluminescence analyser) PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
Nitrogen dioxide (NO ₂)*	PD CEN/TS 17337 :2019 (WI 4/61 -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 BS EN 15259:2007	
	Oxides of Nitrogen (NOx)*	BS EN 14792:2017 (WI 4/39 - Chemiluminescence analyser) PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
	Nitrous oxide (N2O)*	PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
	Ammonia*	PD CEN/TS 17337:2019 (WI 4/61 -Validated FTIR analyser)	B
	Hydrogen Chloride*	PD CEN/TS 17337 :2019 (WI 4/61 -Validated FTIR analyser)	B
	Halides and Halogens* Speciated VOC's* Other Inorganic Gases*	PD CEN/TS 17337 :2019 (WI 4/61 -Validated 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.		



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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 BS EN 15259:2007	
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 BS EN 15259:2007	A, B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS) - Velocity	QAL 2 and the Annual Surveillance Test (AST) for CEMS - Velocity	Documented in-house procedure WI 4/63 to meet the requirements of BS EN 16911-2:2013, Environment Agency MID 16911-2 and other requirements of the Environment Agency (MCERTS) Performance Standard and 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.