Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

10706 **Accredited to ISO/IEC 17025:2017**	**Atesta Limited** **Issue No:** 009 **Issue date:** 08 January 2024	
	Unit 2, Asher Court **Lyncastle Way** **Appleton** **Warrington** **WA4 4ST**	**Contact: Mr James Harmer** **Tel: +44 (0) 7776 185 935** **E-Mail: james.harmer@atesta.com** **Website: www.atesta.com**
Testing performed by the Organisation at the locations specified		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Unit 2, Asher Court Lyncastle Way Appleton Warrington WA4 4ST GBR	**Local contact** Mr James Harmer Tel: +44 (0) 7776 185 935 Email: james.harmer@atesta.com Website: www.atesta.com	**Support Functions:** Quality System Quality Audit Administration **Sampling and Testing:** Physical Testing Stack Emissions Testing Sampling Landfill/Process Gases	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
Customer Sites requiring sampling	Sampling Landfill/Process Gases	C

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES	Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory	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	
Testing of Stack Emissions to Atmosphere	Total Particulate Matter	BS EN 13284-1:2017 (TP-01)	B
	Particulate Matter <10 micron (PM_{10} and $PM_{2.5}$)	BS EN ISO 23210:2009 (TP-02)	B
	Hydrogen Chloride	BS EN 1911:2010 (TP-08)	B
	Hydrogen Fluoride	BS ISO 15713:2006 (TP-09a)	B
	Gaseous Fluoride as HF	PD CEN/TS 17340:2020 (TP-26a)	B
	Total Fluoride (Particulate and Gaseous) as HF	PD CEN/TS 17340:2020 (TP-26b)	B
	Sulphur Dioxide	BS EN 14791:2017 (TP-10)	B
	Ammonia	BS EN ISO 21877:2019 (TP-11)	B
	Hydrogen Sulphide	US EPA Method 11 (TP-14)	B
	Hydrogen Cyanide	US EPA OTM 029 (TP-15)	B
	Halides and Halogens: Hydrogen Bromide Chlorine Bromine	US EPA Methods 26 and 26a (TP-17)	B

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)	Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (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	
	Metals	BS EN 14385:2004 (TP-05a)	B
	Mercury	BS EN 13211:2001 (TP-05b)	B
	Metals and Mercury combined	BS EN 14385:2004 & BS EN 13211 (MID 14385) (TP-05c)	B
	Hexavalent Chromium in Fine Particulate Matter <10 micron (PM_{10} and $PM_{2.5}$)	BS EN ISO 23210:2009 (TP-16)	B
	Dioxins and Furans	BS EN 1948-1:2006 (TP-06a)	B
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-4:2010 (TP-06b)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (TP-07)	B
	Isocyanates	US EPA CTM 036 (TP-18)	B
	Oil Mist	BS EN 13284:2017 & MDHS 84/2 (TP-28)	B
	Sulphuric acid, including sulphuric acid mist and sulphur trioxide	Based upon US EPA Method 8 (TP-31)	B

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)	Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (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	
	Speciated VOCs (carbon and other suitable tubes) (direct sampling of dry stacks and dynamic dilution sampling of hot wet stacks) Mercaptans Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	CEN TS 13649:2014 (TP-20)	B
	Hydrogen Sulphide (carbon tubes) (direct sampling of dry stacks and dynamic dilution sampling of hot wet stacks)	CEN TS 13649:2014 (TP-20)	B
	Gaseous Aldehydes and Formaldehyde	PD CEN/TS 17638:2021 (TP-29a)	B
	Total Aldehydes and Formaldehyde	PD CEN/TS 17638:2021 (TP-29b)	B
	Total Oxides of Nitrogen (NO, NO_2 and Nitric Acid Vapour)	US EPA Method 7D (TP-19)	B
	Collection of odour samples for delayed olfactometry (direct sampling of dry stacks and dilution sampling of hot wet stacks)	Documented In-house Method TP-27 based on BS EN 13725:2022 Point source sampling using: - Direct sampling - Lung method - Dynamic dilution	B

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 and On-Site Analysis</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	
	Water Vapour	BS EN 14790:2017 (TP-03)	B
	<u>Sampling and On-Line Analysis</u>		
	Water Vapour*	CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Pressure, Temperature and Velocity (point velocity method) for: • Periodic Compliance Monitoring	BS EN ISO 16911-1:2013 & EA MID 16911-1 (TP-04a) - using differential pressure device (pitot tube) method Procedure to meet requirements of PD CEN TR 17078:2017	B
	Pressure, Temperature and Velocity (point velocity method) for: • Periodic Compliance Monitoring • Calibration of Continuous AMS • To meet requirements of Emissions Trading Schemes	BS EN ISO 16911-1:2013 (TP-04a) - using differential pressure device (pitot tube) method Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objectives 1, 2 and 3	B
	Pressure, Temperature and Velocity (point velocity method)	BS EN ISO 16911-1:2013 & EA MID 16911-1 (TP-04b) - using vane anemometer method	B
	Ammonia*	CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B

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)	Sampling and On-Line Analysis (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	
	Carbon Monoxide*	BS EN 15058:2017 TP-22b - NDIR analyser)	B
		CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Carbon Dioxide*	PD CEN/TS 17405:2020 (TP-22e - NDIR analyser)	B
		CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Nitrogen Monoxide (NO)*	BS EN 14792:2017 TP-22a - Chemiluminescent analyser)	B
		CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Nitrogen Dioxide (NO_2)*	BS EN 14792:2017 TP-22a - Chemiluminescent analyser)	B
		CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Nitrous Oxide (N_2O)*	CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Oxides of Nitrogen (NOx)*	BS EN 14792:2017 TP-22a - Chemiluminescent analyser)	B
		CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Sulphur Dioxide*	CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B

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)	Sampling and On-Line Analysis (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	
	Hydrogen Chloride*	CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Methane*	CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Formaldehyde*	CEN/TS 17337:2019 (TP-23a/TP23b -Validated FTIR analyser)	B
	Oxygen*	BS EN 14789:2017 (TP-22d - Paramagnetic analyser)	B
	Total Gaseous Organic* Carbon (TOC / VOC) (0 to 1000 mg/m^3)	BS EN 12619:2013 (TP-21a/TP21b - FID Analyser)	B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure TP-24 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 for laboratories carrying out testing of samples from stack emissions monitoring and BS EN 15259:2007	B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS) - Velocity	QAL 2 and the Annual Surveillance Test (AST) for CEMS - Velocity	Documented in house procedure TP-04c 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	B

* - 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.

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Testing of Stack Emissions to Atmosphere	Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory	National, European, International and other recognised standards using documented In-House work instructions to meet the requirements of BS EN 15259:2007	
	Total Fluoride as Hydrogen Fluoride	Based on BS ISO 15713:2006 (TP-09b)	B
	Condensable VOCs (sector specific to DEFRA sector guidance note SG1-06 and operator permit)	Based on EN 14791:2017 (TP-12)	B
	Gaseous Aldehydes and Formaldehyde	US EPA Method 316 (TP-13a)	B
	Total Aldehydes and Formaldehyde	US EPA Method 316 (TP-13b)	B
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES	Physical Testing	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 (AP-01)	A
Filter Papers and Rinse Solutions	Weighing of Particulate Matter <10 micron (PM_{10} and $PM_{2.5}$)	BS EN ISO 23210:2009 (AP-02)	A

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Testing performed by the Organisation at the locations specified

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LANDFILL SITES & PROCESS EMISSIONS	Sampling with subsequent analysis at an ISO/IEC 17025 accredited laboratory	National, European, International and other recognised standards using documented In-House work instructions	
Sampling of gases	Trace and Bulk components using sample bags for: Hydrogen Sulphide Carbon Monoxide Carbon Dioxide Oxygen Methane Nitrogen	Documented In-house Method TP-25 based on CEN/TS 13649:2014 Point source sampling using: - Direct sampling - Lung method - Dynamic dilution	C
END			