


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 0432 Accredited to ISO/IEC 17025:2005	TUV SUD Limited Trading as TUV SUD NEL Issue No: 034 Issue date: 01 August 2019	
	NEL East Kilbride Glasgow Scotland G75 0QU	Contact: See below Tel: +44 (0)1355-220222 Fax: +44 (0)1355-272999 E-Mail: sales@tuvnel.com Website: www.tuvnel.com

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 East Kilbride Glasgow Scotland G75 0QU	Local contact Mr Leon Youngs	Stack Emissions Testing (Support Functions: Quality System Quality Audit Administration)

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Customer Sites requiring Stack Emissions Testing arrangements between the laboratory and the customer.	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
TESTING OF STACK EMISSIONS TO ATMOSPHERE	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</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	
	Total Particulate Matter	BS EN 13284-1:2017 (WI/EM/962)	B
	Hydrogen Chloride	BS EN 1911:2010 (WI/EM/973)	B
	Hydrogen Fluoride	BS ISO 15713:2006 (WI/EM/1271)	B
	Sulphur Dioxide	BS EN 14791:2017 (WI/EM/1275)	B
	Ammonia	BS EN 14791:2017 (WI/EM/0043)	B
	Metals	BS EN 14385:2004 (WI/EM/982) EA MID 14385 (WI/EM/1272)	B
	Mercury	BS EN 13211:2001 (WI/EM/977)	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> (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	
	Speciated VOCs: Mercaptans Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	PD CEN/TS 13649:2014 (WI/EM/963) PD CEN/TS 13649:2014 (WI/EM/963)	B
	Hydrogen sulphide Carbon disulphide		
	Dioxins and Furans	BS EN 1948-1:2006 (WI/EM/959)	B
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-4:2010 (WI/EM/976)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (WI/EM/981)	B
	<u>Sampling and On-Line Analysis</u>		
	Water Vapour	BS EN 14790:2017 (WI/EM/0009)	B
	Pressure, Temperature and Velocity (point velocity method)	BS EN 16911-1:2013 (WI/EM/962 using differential pressure device (Pitot tube) method)	B
	Carbon Dioxide*	ISO 12039:2001 (WI/EM/971- NDIR analyser)	B
Carbon Monoxide*	BS EN 15058:2017 (WI/EM/1273 - NDIR analyser)	B	



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TESTING OF STACK EMISSIONS TO ATMOSPHERE (cont'd)	<u>Sampling and On-Line Analysis</u> (cont'd)		
	Oxides of Nitrogen (NOx)*	BS EN 14792:2017 (WI/EM/1273 – Chemiluminescence analyser)	B
	Oxygen*	BS EN 14789:2017 (WI/EM/1273 - Validated Zirconium cell analyser)	B
	Sulphur dioxide*	PD CEN/TS 17021:2017 (WI/EM/0058 – NDIR analyser)	B
	Total Gaseous Organic Carbon (TOC / VOC) (0 to 1000 mgC/m ³)	BS EN 12619: 2013 (WI/EM/965 - FID Analyser)	B
	<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	
	<u>Halides and Halogens</u> Hydrogen chloride Hydrogen bromide Hydrogen fluoride Chlorine Bromine Total chlorides Total fluorides Total bromides	US EPA Method 26 (WI/EM/932) US EPA Method 26A (WI/EM/954)	B
Ammonia Hydrogen Cyanide	US EPA Methods 26 and 26A (WI/EM/1276)	B	



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STACK EMISSIONS - CONTINUOUS EMISSIONS MONITORING SYSTEMS (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure WI/EM/0059 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
* - 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.			
FLOWMETERS FOR MULTIPHASE FLOW MEASUREMENTS AND OTHER COMPONENTS DESIGNED TO OPERATE WITH MULTIPHASE	<u>Performance Testing</u> Multiphase flows comprising:- Water flow 0.05 l/s to 40 l/s Oil flow 0.07 l/s to 40 l/s Gas flow 5 g/s to 500 g/s	Flows can be generated and reported for Total liquid flow, water/liquid ratio and Gas volume fraction. Documented in house method DWI-Multiphase-0012.	A
END			