Schedule of Accreditation

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Accredited to ISO/IEC 17025:2017

Uniper Technologies Limited

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Technology Centre
Ratcliffe-on-Soar
Nottingham
NG11 0EE

Contact: Miss Beth Cooke
Tel: +44 (0) 115 936 2900
Mobile: +44 (0) 7866 833250
E-Mail: bethany.cooke@uniper.energy
Website: www.uniper.energy

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 Technology Centre Ratcliffe-on-Soar Nottingham NG11 0EE **Local contacts** Miss Bethany Cooke Mobile: +44 (0) 7866 833 250 Email: bethany.cooke@uniper.energy Website: www.uniper.energy	**Support functions:** Quality System Quality Audit Administration **Sampling and Testing:** Stack Emissions Testing & Measurement Physical 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
Customer Sites requiring Continuous Emissions Monitoring Systems (CEMS) Functional Testing	On Site Testing	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	<u>Physical Tests</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	Weight of particulate matter	BS EN 13284-1:2017 (TOI_001_1)	A
	Weighing of Particulate Matter <10 micron (PM_{10} and $PM_{2.5}$)	BS EN ISO 23210:2009 (TOI_001_3)	A
	<u>On-Site Testing</u>		
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS) (excluding dust monitors and cross duct systems)	Functional Testing: Linearity Zero Span Response time Leak test	Documented in house procedure TOI_005_1 & 005_2 to the requirements of BS EN 14181:2014 and Environment Agency document “Monitoring stack emissions: quality assurance of continuous monitoring”	C
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure TOI_005_3 to meet the requirements of BS EN 14181:2014, Environment Agency document “Monitoring stack emissions: quality assurance of continuous monitoring” and other requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007	A, B

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
	On-Site Testing (cont'd)		
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS) - Velocity	QAL 2 and the Annual Surveillance Test (AST) for CEMS - Velocity	Documented in-house procedure SOP-008 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
TESTING of STACK EMISSIONS to ATMOSPHERE	Sampling with subsequent analysis by an ISO/IEC 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	
	Total Particulate Matter	BS EN 13284-1:2017 (TOI_001_2)	B
	PM_{10} and $PM_{2.5}$	BS EN ISO 23210:2009 (TOI_001_3)	B
	Hydrogen Chloride	BS EN 1911:2010 (TOI_003)	B
	Hydrogen fluoride	PD CEN/TS 17340:2020 (TOI_003)	B
	Sulphur dioxide	BS EN 14791:2017 (TOI_003)	B
	Ammonia	BS EN ISO 21877:2019 (TOI_003)	B
	Mercury (vapour phase only – non isokinetic sampling)	BS EN 13211:2001 (TOI_002_1)	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 (TOI_003)	B
	<u>Sampling and On-Line Analysis</u>		
	Carbon Dioxide*	PD CEN/TS 17405:2020 (TOI_004_1 - NDIR analyser)	B
	Oxygen*	BS EN 14789:2017 (TOI_004_1 - Paramagnetic analyser) (TOI_004_1 - Validated Zirconium cell analyser)	B
	Carbon Monoxide*	BS EN 15058:2017 (TOI_004_1 - NDIR analyser)	B
	Oxides of Nitrogen*	BS EN 14792:2017 (TOI_004_1 - Chemiluminescence analyser) (TOI_004_1 - Validated NDUV analyser) (TOI_004_1 - Validated NDIR analyser)	B
	Nitrous Oxide*	BS ISO 21258:2010 (TOI_004_1 - NDIR analyser)	B
	Sulphur Dioxide*	PD CEN/TS 17021:2017 (TOI_004_1 - NDIR analyser) (TOI_004_1 - NDUV 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	
	Ammonia*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Carbon Dioxide*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Carbon Monoxide*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Formaldehyde*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Hydrogen Chloride*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Methane*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Oxides of Nitrogen (NOx)*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Sulphur Dioxide*	CEN/TS17337:2019 (TOI_004-3 – Validated FTIR Analyser)	B
	Water Vapour	CEN/TS17337:2019 (TOI_004-3 – 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	
	Pressure, Temperature and Velocity (point velocity method) for: • Periodic Compliance Monitoring	BS EN ISO 16911-1:2013 & EA MID 16911-1 (Method TOI_006_1) - using differential pressure device (pitot tube) method Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objective 1	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 (Method TOI_006_1) - using differential pressure device (pitot tube) method Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objectives 1, 2 and 3	B
	Average Velocity and Volume Flow Rate (tracer gas dilution method) for: • Calibration of Continuous AMS • To meet requirements of Emissions Trading Schemes	BS EN 16911-1:2013 (Annex C) Tracer Injection and temperature measurement (TOI_006_2) Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objectives 2 and 3 (SOP_008) EA MID EN 16911-2:2022	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.