


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

| | | |
|--|--|--|
|  4114 Accredited to ISO/IEC 17025:2017 | Cirrus Environmental Solutions Ltd | |
| | Issue No: 027 Issue date: 09 October 2020 | |
| | 8 Boldon Court Boldon Business Park Boldon NE35 9PY | Contact: Ms R Bowman Tel: +44 (0)1915 436455 Fax: +44 (0)845 0268680 E-Mail: rachel@cirrusenv.co.uk Website: www.cirrusenv.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 8 Boldon Court Boldon Business Park Boldon NE35 9PY | Local contact Ms R Bowman Tel: +44 (0)191-5436455 Email: rachel@cirrusenv.co.uk | Support Functions: Quality System Quality Audit Administration Sampling and Testing: Stack emissions Testing 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 |



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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 |
|--|--|---|------------------------------|
| ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES Filter Papers only | <u>Physical Testing</u> Weighing of Particulate Matter | National, International and other recognised standards using documented In-House work instructions BS ISO 9096:2017 (SOP/em/doc4) | A |
| ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES Filter Papers only | <u>Physical Testing</u> Weighing of Particulate Matter | 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 | A |
| Testing of Stack Emissions to Atmosphere | <u>Sampling and On-Line Analysis</u> Oxygen Oxides of Nitrogen Carbon monoxide Sulphur dioxide | National, International and other recognised standards using documented In-House work instructions to meet the requirements of BS EN 15259:2007 ISO 12039:2001 (SOP/em/doc3 – electrochemical cell analyser) ISO 10849:1996 (SOP/em/doc3 – electrochemical cell analyser) ISO 12039:2001 (SOP/em/doc3 – electrochemical cell analyser) ISO 7935:1992 (BS 6069-4.4:1993) (SOP/em/doc3 – electrochemical cell analyser) | B B B B |



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| Testing of Stack Emissions to Atmosphere | <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 BS EN 15259:2007 | |
| | Total Particulate Matter (20 to 1000 mg/m ³) | BS ISO 9096:2017 (SOP/em/doc5 and SOP/em/doc7) | B |
| 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 BS EN 15259:2007 | |
| | Total Particulate Matter | BS EN 13284-1:2017 (SOP/em/doc5 and SOP/em/doc7) | B |
| | Formaldehyde | US EPA Method 316 (SOP/em/doc13) | B |
| | Speciated VOCs (carbon and other suitable tubes) (Direct sampling of dry stacks only): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes | PD CEN/TS 13649:2014 (SOP/em/doc6) | B |
| | Isocyanates | US EPA CTM 036 (SOP/em/doc24) | B |
| | <u>Sampling and On-Site Analysis</u> | | |
| | Water Vapour | BS EN 14790:2017 (SOP/em/doc08) | B |
| | Pressure, Temperature and Velocity (Point velocity method) | BS EN 16911-1:2013 & MID (SOP/em/doc1 – using differential pressure device (pitot tube) method) | B |



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|--|---|---|---------------|
| Testing of Stack Emissions to Atmosphere | <u>Sampling and On-Line 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 | |
| | Carbon Monoxide* | BS EN 15058:2017 (SOP/em/doc20 – NDIR analyser) | B |
| | Carbon Dioxide* | BS ISO 12039:2001 (SOP/em/doc20 - NDIR analyser) | B |
| | Nitrogen Monoxide (NO)* | BS EN 14792:2017 (SOP/em/doc020 – Chemiluminescence analyser) | B |
| | Oxides of Nitrogen (NOx)* | BS EN 14792:2017 (SOP/em/doc020 – Chemiluminescence analyser) | B |
| | Sulphur Dioxide* | PD CEN TS 17021:2017 (SOP/em/doc20 - NDIR analyser) | B |
| | Oxygen* | BS EN 14789:2017 (SOP/em/doc20 - Validated Zirconium cell analyser) | B |
| Total Gaseous Organic Carbon* (TOC/VOC) (0 to 1000 mg/m ³) | BS EN 12619:2013 (SOP/em/doc2 - FID analyser) | 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.